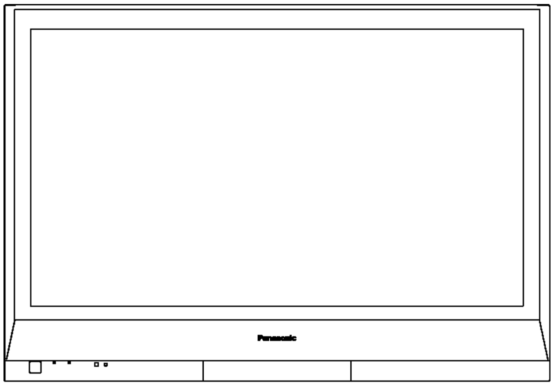
ORDER NO.MTNC060264CE
B19 Canada: B05

Service Manual

Digital High Definition Plasma Television



TH-50PX60U

GP9DU Chassis

Specifications

Power Source	AC 120 V, 50/60 Hz	
Power Consumption		
Maximum	515 W	
Standby condition	0.2 W	
Plasma Display panel		
Drive method	AC type	
Aspect Ratio	16 : 9	
Contrast Ratio	3000 : 1	
Visible screen size	127 cmV	
(No. of pixels)	43.6 ” × 24.5 ” × 50.0 ” (1,106 mm × 622 mm × 1,269 mm)	
	1,049,088 (1,366 (W) × 768 (H)) [4,098 × 768 dots]	
Sound		
Speaker	4.8 ” × 2.4 ” (120 mm × 60 mm) × 2 pcs, 8Ω	
Audio Output	20 W [10 W + 10 W] (10 % THD)	
Channel Capability (Digital/Analog)	VHF/UHF: 2 - 69, CATV: 1 - 135	
Operating Conditions	Temperature: 32 °F - 104 °F (0 °C - 40 °C)	
	Humidity: 20 % - 80 % RH (non-condensing)	
Connection Terminals		
INPUT 1-3	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 Ω)
	S-VIDEO:	Mini DIN 4-pin Y: 1.0 V [p-p] (75 Ω) C: 0.286 V [p-p] (75 Ω)
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
COMPONENT VIDEO INPUT 1-2	Y:	1.0 V [p-p] (including synchronization)
	P_B, P_R:	± 0.35 V [p-p]
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
HDMI 1-2	TYPE A Connector	
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
Card slot	SD CARD slot × 1	
AV PROG. OUT	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 Ω)

Panasonic®

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	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
DIGITAL AUDIO OUT	PCM/Dolby Digital, Fiber Optic	
FEATURES	3D Y/C FILTER	
	CLOSED CAPTION V-Chip	
	Photo Viewer	
Dimensions (W × H × D)		
Including pedestal	47.7 ” × 34.8 ” × 14.6 ” (1,210 mm × 882 mm × 371 mm)	
TV Set only	47.7 ” × 32.2 ” × 3.8 ” (1,210 mm × 818 mm × 95 mm)	
Weight		
Including pedestal	93.7 lb. (42.5 kg)	
TV Set only	88.2 lb. (40 kg)	

Note:

Design and Specifications are subject change without notice.

Weight and Dimensions shown are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Applicable signals

* Mark: Applicable input signal for Component (Y, PB, PR), and HDMI

	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	HDMI
525 (480) / 60i	15.73	59.94	*	*
525 (480) /60p	31.47	59.94	*	*
750 (720) /60p	45.00	59.94	*	*
1,125 (1,080) /60i	33.75	59.94	*	*
1,125 (1,080) /60p	67.43	59.94		*
1,125 (1,080) /60p	67.50	60.00		*

- Signals other than above may not be displayed properly
- The above signals are reformatted for optimal viewing on your display.

2 Safety Precautions

2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

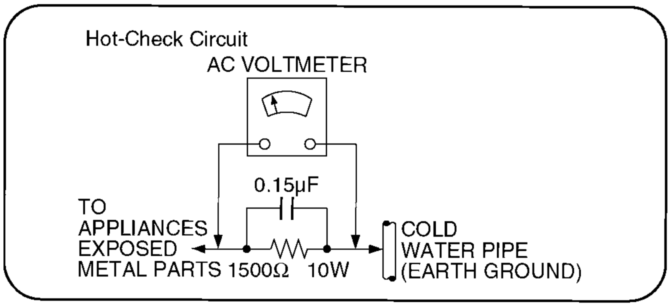


Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15µF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

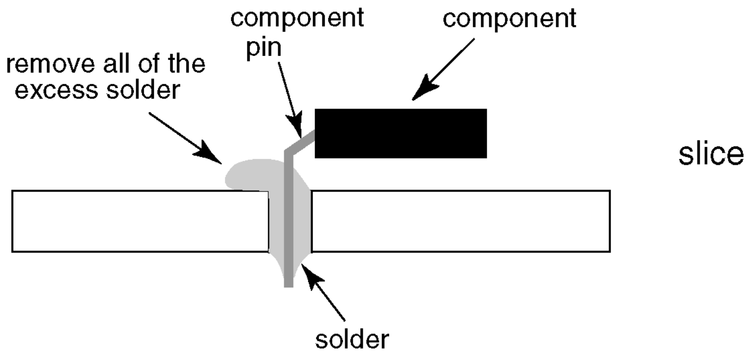
This model uses Pb Free solder in it’s manufacture due to environmental conservation issues. For service and repair work, we’d suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol PbF stamped on the back of PCB.

Caution

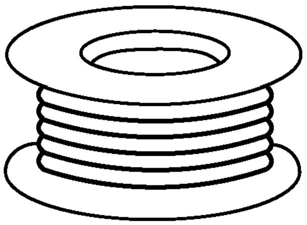
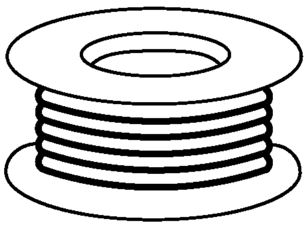
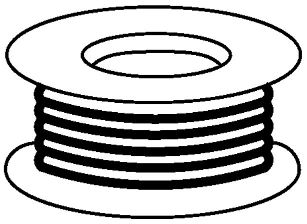
- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



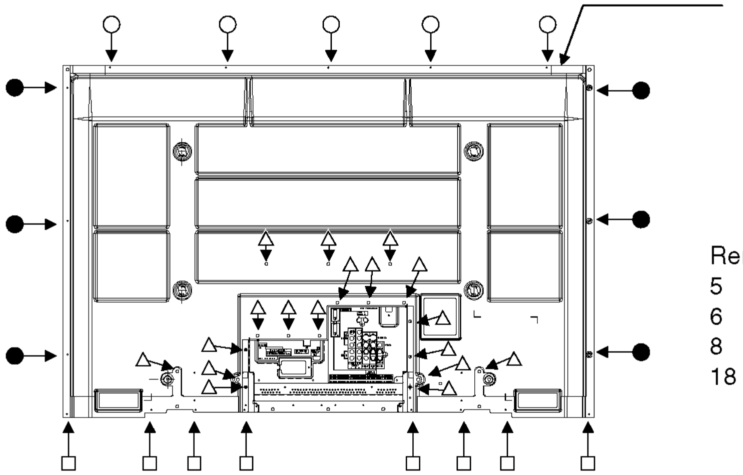
Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

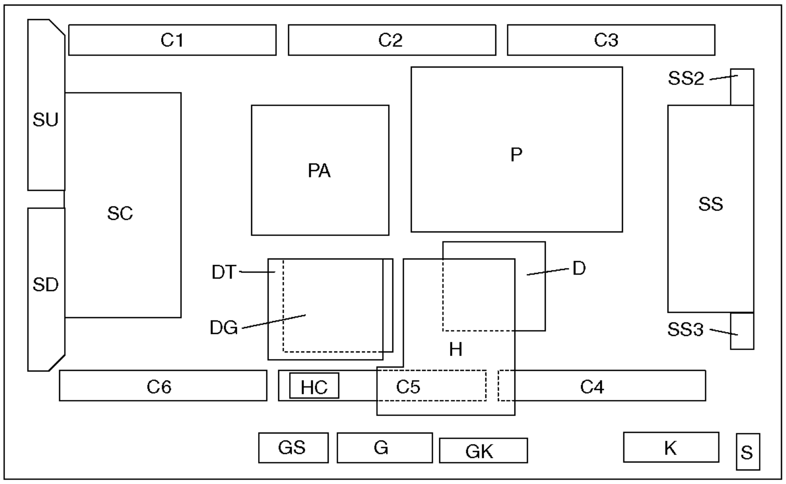
5 Service Hint

Remove the Back Cover



Remove:
5 screws (○) XYN4+F10FJK
6 screws (●) XYN4+F30FJK
8 screws (□) XTB4+12GFJK
18 screws (△) THEL0429

Service Position



Board Name	Function	Board Name	Function
P	Power Supply	C1	Data Driver (Upper Right)
PA	DC-DC Converter Speaker out, Audio AMP, Fan Control	C2	Data Driver (Upper Center)
		C3	Data Driver (Upper Left)
H	AV Terminal, AV Switch	C4	Data Driver (Lower Left)
DG	Digital Signal Processor, Micom, HDMI Interface	C5	Data Driver (Lower Center)
DT	ATSC Interface	C6	Data Driver (Lower Right)
D	Format Converter, Plasma AI, Sub-Field Processor	SC	Scan Drive
GS	SD Card Slot	SU	Scan out (Upper)
K	Remote receiver, Power LED	SD	Scan out (Lower)
S	Power Switch	SS	Sustain Drive
G	Front Terminal	SS2	Sustain Connector (Upper)
GK	Key Switch	SS3	Sustain Connector (Lower)
HC	Jig Connection		

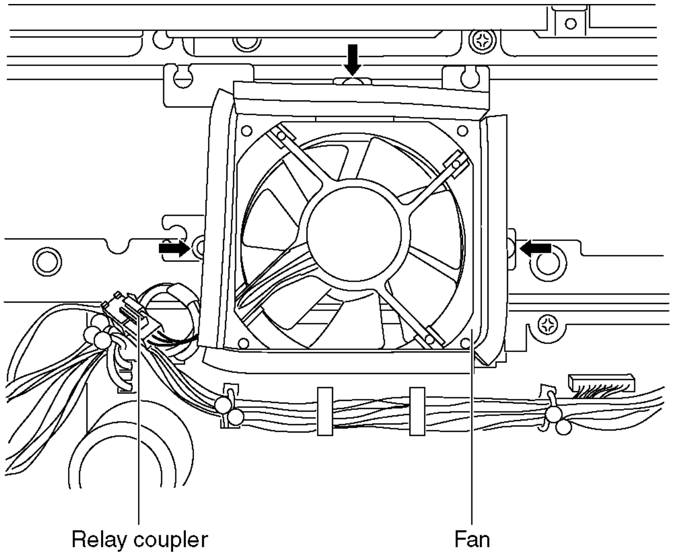
6 Plasma panel replacement method

6.1. Remove the Back cover

1. See Service Hint (Section 5)

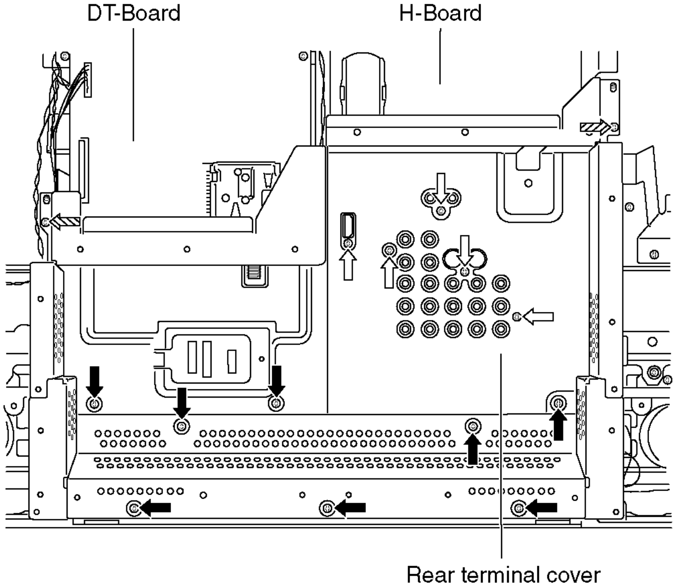
6.2. Remove the fan

1. Disconnect the relay couplers.
2. Remove the screws (×3 ➡ each) and remove the fans.


Relay coupler
Fan

6.3. Remove the rear terminal cover

1. Remove the screws (×8 ➡, ×5 ⇨, ×2 ➩).
2. Remove the rear terminal cover.

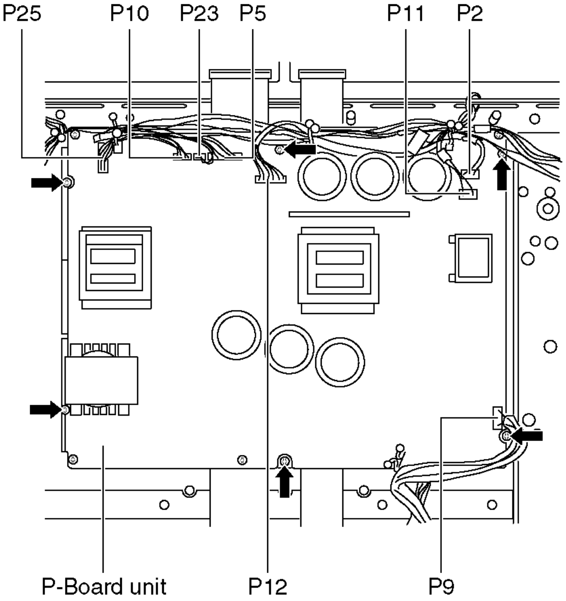

DT-Board
H-Board
Rear terminal cover

6.4. Remove the P-Board

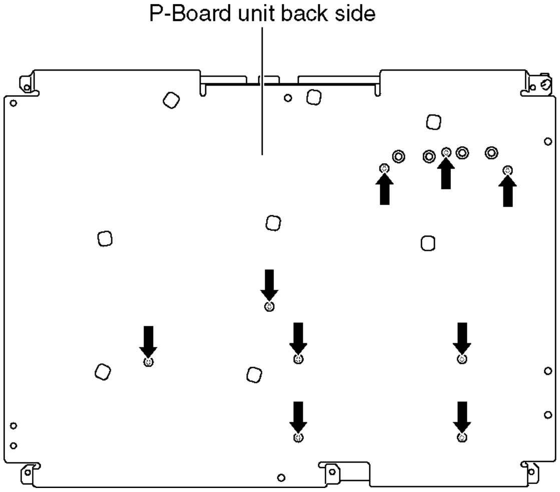
Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

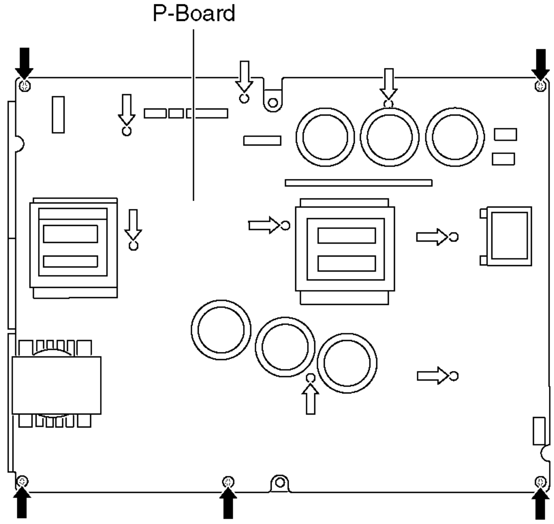
1. Disconnect the couplers (P2, P5, P9, P10, P11, P12, P23 and P25).
2. Remove the screws (×6 ➡) and remove the P-Board unit.


P25
P10
P23
P5
P11
P2
P-Board unit
P12
P9

3. Remove the screws (×9 ➡) on the back side.

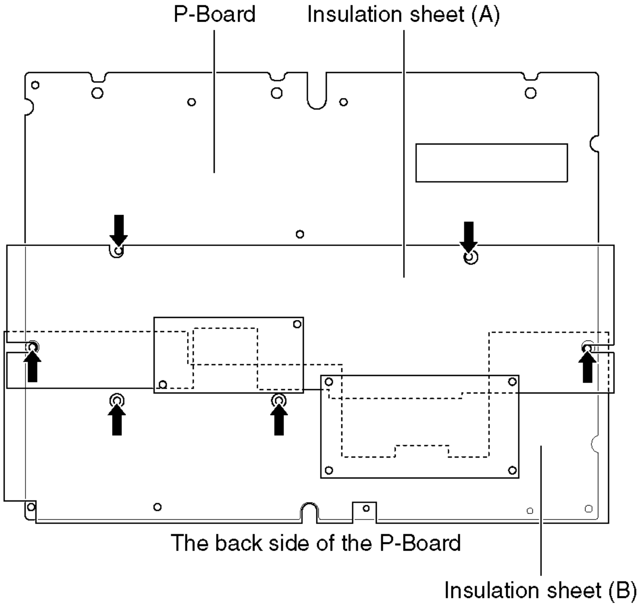

P-Board unit back side

4. Remove the screws (×5 ➡).
5. Remove the molding props (×8 ⇨).
6. Remove the P-Board.



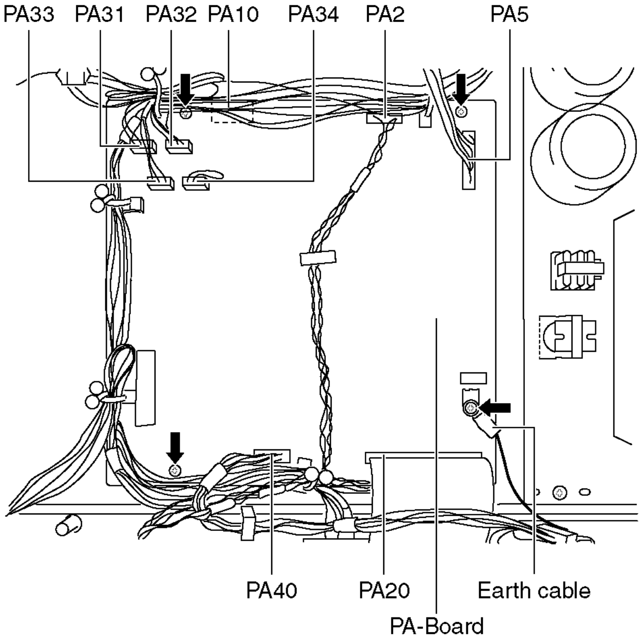
Note:

When assembling the P-Board, the position of each hole of the insulation sheets (A and B) is set to the position of each hole of the P-Board, then assemble them. (➡ marks indicate setting positions.)


P-Board
Insulation sheet (A)
The back side of the P-Board
Insulation sheet (B)

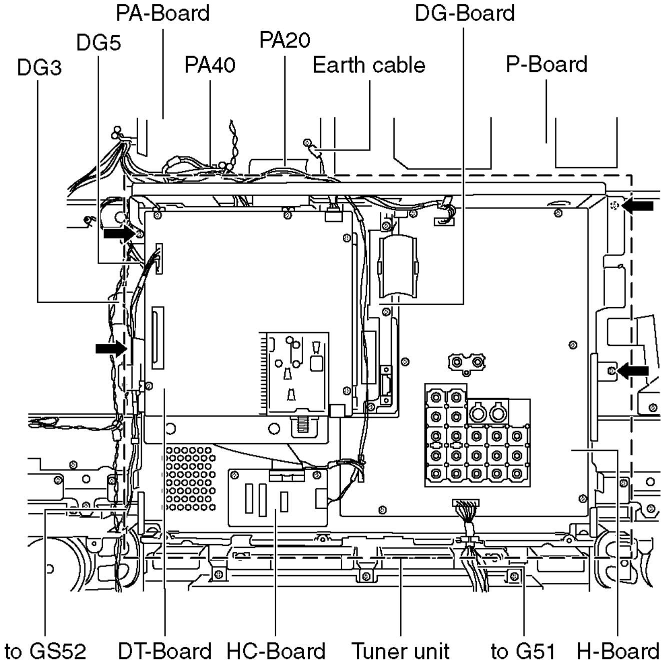
6.5. Remove the PA-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (PA2, PA5, PA10, PA31, PA32, PA33, PA34 and PA40).
3. Disconnect the flexible cable (PA20).
4. Remove the screws (×4 ➡) and remove the earth cable.
5. Remove the PA-Board.


PA33
PA31
PA32
PA10
PA34
PA2
PA5
PA40
PA20
Earth cable
PA-Board

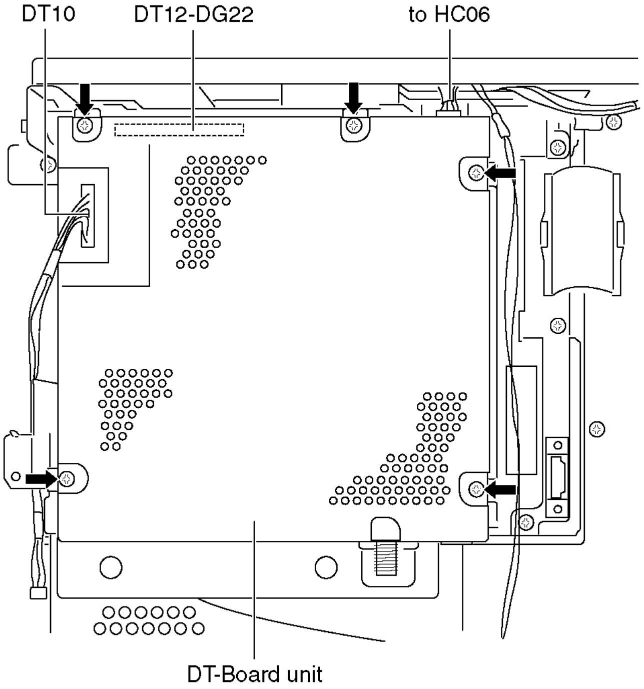
6.6. Remove the tuner unit

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (DG5, G51, GS52, PA40 and earth cable).
3. Disconnect the flexible cables (DG3 and PA20).
4. Remove the screws (×4 ➡) remove the tuner unit.

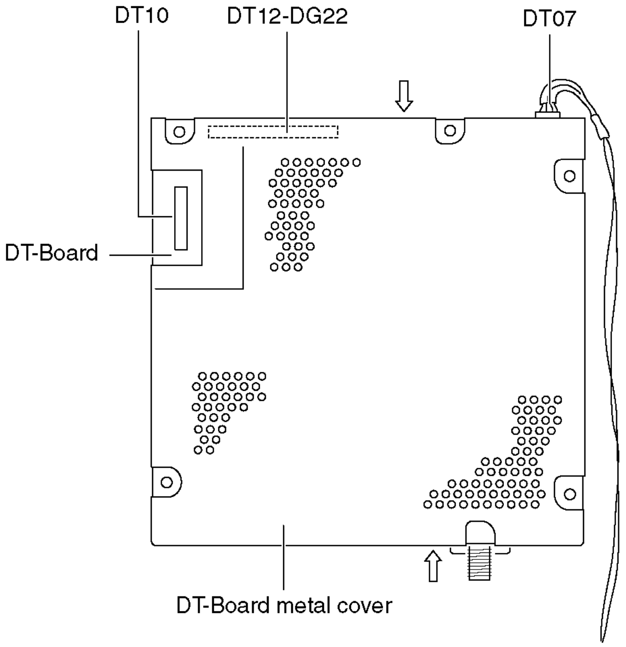

PA-Board
DG-Board
DG5
PA20
DG3
PA40
Earth cable
P-Board
to GS52
DT-Board
HC-Board
Tuner unit
to G51
H-Board

6.7. Remove the DT-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (HC06 and DT10).
3. Remove the screws (×5 ➡) remove the DT-Board unit.
   (Be careful the coupler (DT12-DG22) when remove the DT-Board unit.)

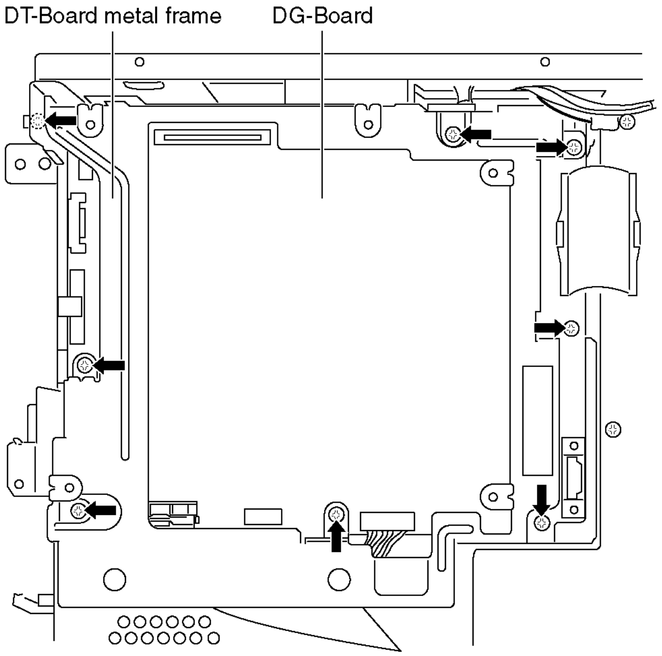

DT10
DT12-DG22
to HC06
DT-Board unit

4. Disconnect the coupler (DT07).
5. Remove the screws (×2 ⇨).
6. Remove the DT-Board metal cover and DT-Board.

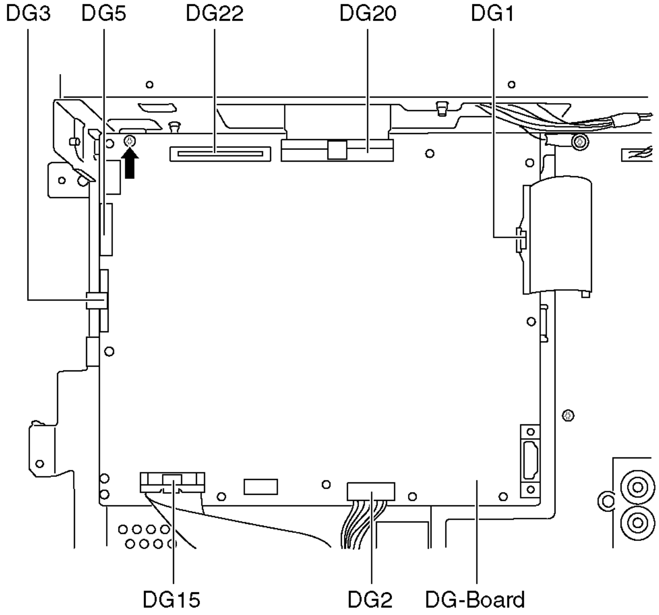

DT10
DT12-DG22
DT07
DT-Board
DT-Board metal cover

6.8. Remove the DG-Board

1. Remove the DT-Board. (See section 6.7.)
2. Remove the screws (×8 ➡) and remove the DT-Board metal frame.

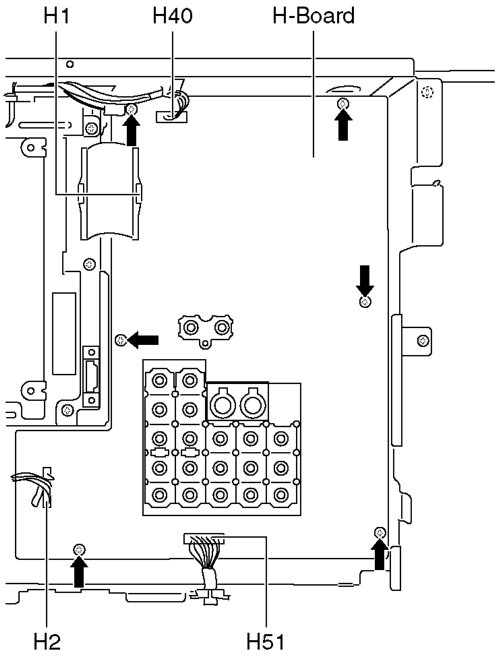

DT-Board metal frame
DG-Board

3. Disconnect the coupler (DG2).
4. Disconnect the flexible cables (DG1, DG15 and DG20).
5. Remove the screw (×1 ➡) remove the DG-Board.


DG3
DG5
DG22
DG20
DG1
DG15
DG2
DG-Board

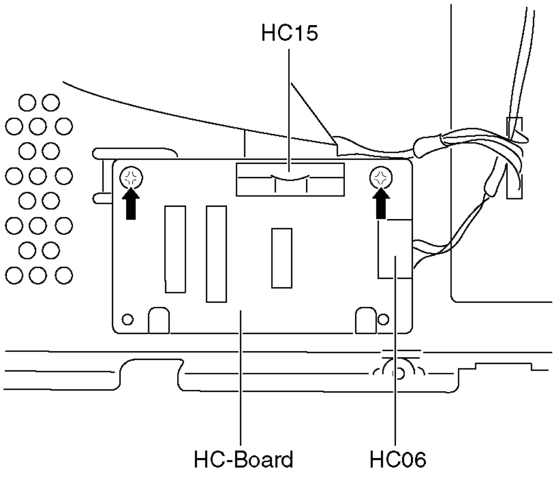
6.9. Remove the H-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (H2, H40 and H51).
3. Disconnect the flexible cable (H1).
4. Remove the screws (×6 ➡) and remove the H-Board.


H1
H40
H-Board
H2
H51

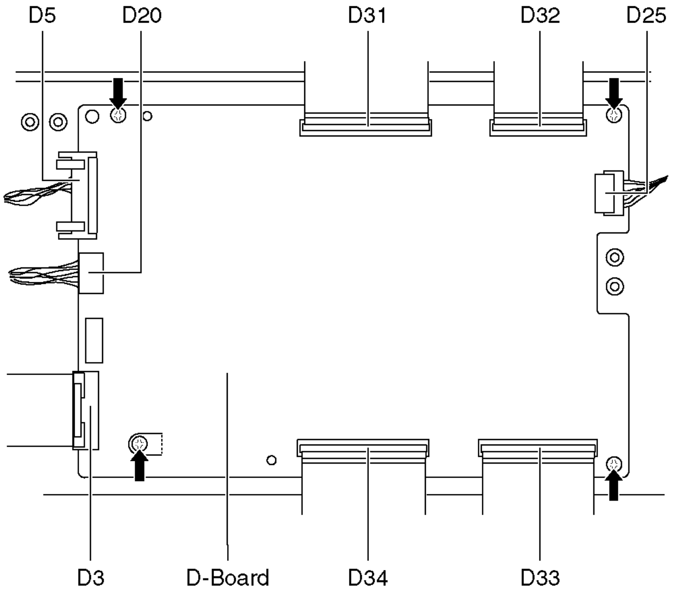
6.10. Remove the HC-Board

1. Disconnect the couple (HC06).
2. Disconnect the flexible cable (HC15).
3. Remove the screws (×2 ➡) and remove the HC-Board.


HC15
HC-Board
HC06

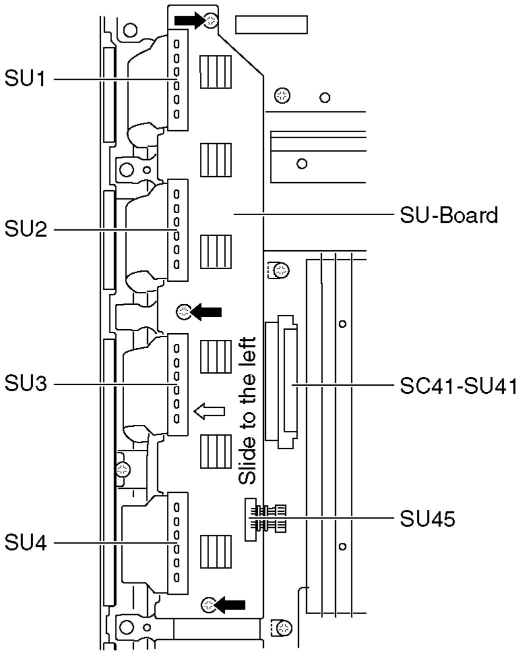
6.11. Remove the D-Board

1. Remove the tuner unit. (See section 6.6.)
2. Disconnect the couplers (D5, D20 and D25).
3. Disconnect the flexible cables (D3, D31, D32, D33 and D34).
4. Remove the screws (×4 ➡) and remove the D-Board.


D5
D20
D31
D32
D25
D3
D-Board
D34
D33

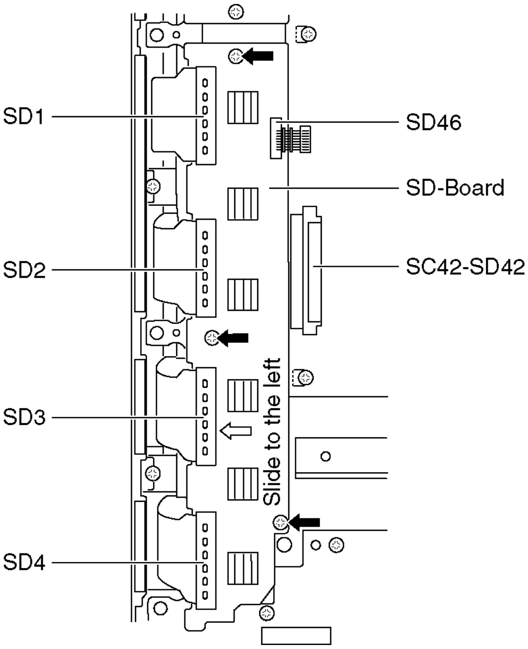
6.12. Remove the SU-Board

1. Remove the screws (×3 ➡).
2. Remove the flexible cables (SU1, SU2, SU3 and SU4) and remove the bridge connector (SU45).
3. Slide the SU-Board to the left to disconnect from a coupler (SC41-SU41) on the SC-Board and remove the SU-Board.


SU1
SU2
SU3
SU4
SU-Board
Slide to the left
SC41-SU41
SU45

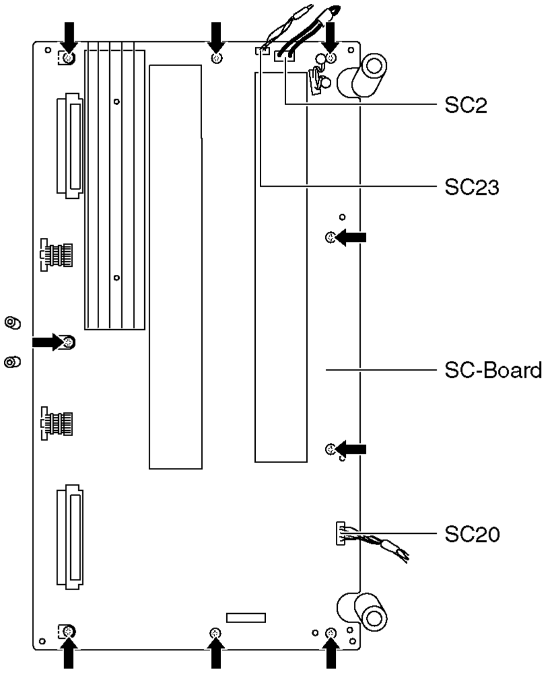
6.13. Remove the SD-Board

1. Remove the screws (×3 ➡).
2. Remove the flexible cables (SD1, SD2, SD3 and SD4) and remove the bridge connector (SD46).
3. Slide the SD-Board to the left to disconnect from a coupler (SC42-SD42) on the SC-Board and remove the SD-Board.


SD1
SD46
SD-Board
SD2
SC42-SD42
SD3
Slide to the left
SD4

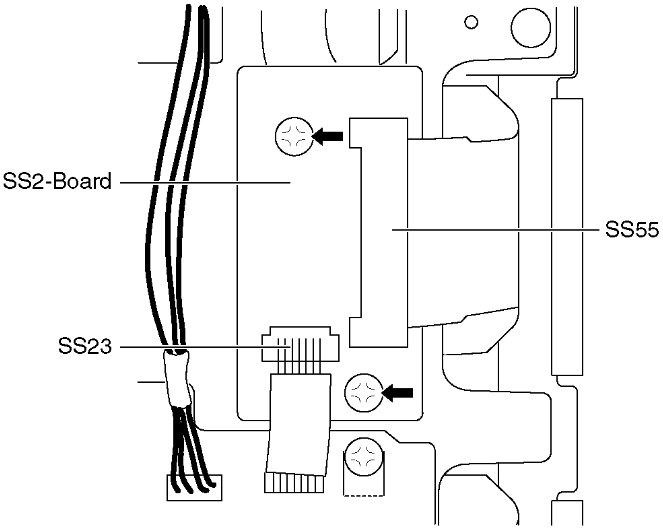
6.14. Remove the SC-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (SC2, SC20 and SC23).
3. Remove the screws (×9 ➡) and remove the SC-Board.


SC2
SC23
SC-Board
SC20

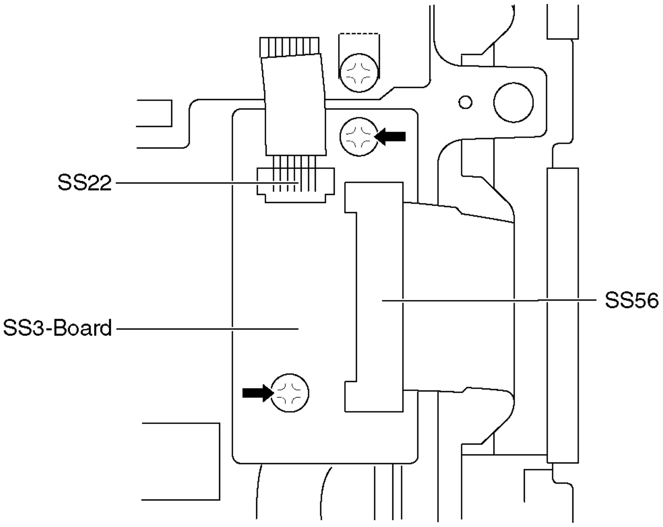
6.15. Remove the SS2-Board

1. Disconnect the coupler (SS23) and disconnect the flexible cable (SS55).
2. Remove the screws (×2 ➡) and remove the SS2-Board.


SS2-Board
SS55
SS23

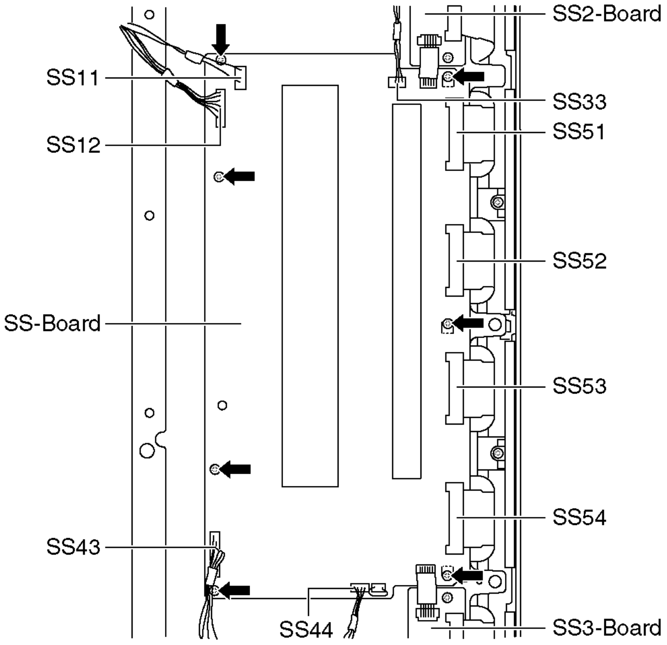
6.16. Remove the SS3-Board

1. Disconnect the coupler (SS22) and disconnect the flexible cable (SS56).
2. Remove the screws (×2 ➡) and remove the SS3-Board.


SS22
SS56
SS3-Board

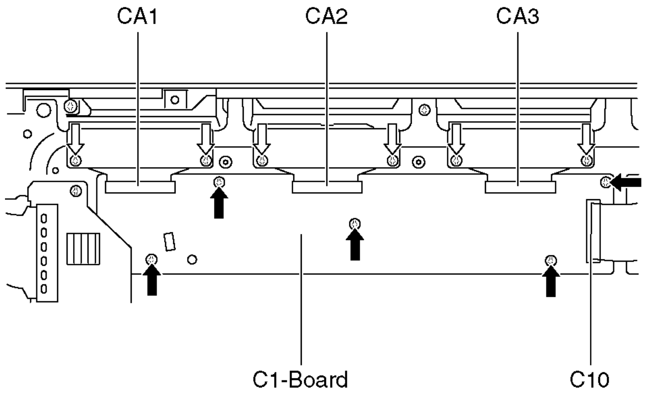
6.17. Remove the SS-Board

1. Remove the SS2-Board and SS3-Board. (See section 6.15. and 6.16)
2. Disconnect the couplers (SS11, SS12, SS33, SS43 and SS44).
3. Disconnect the flexible cables (SS51, SS52, SS53 and SS54).
4. Remove the screws (×7 ➡) and remove the SS-Board.


SS2-Board
SS11
SS33
SS51
SS12
SS52
SS-Board
SS53
SS54
SS43
SS44
SS3-Board

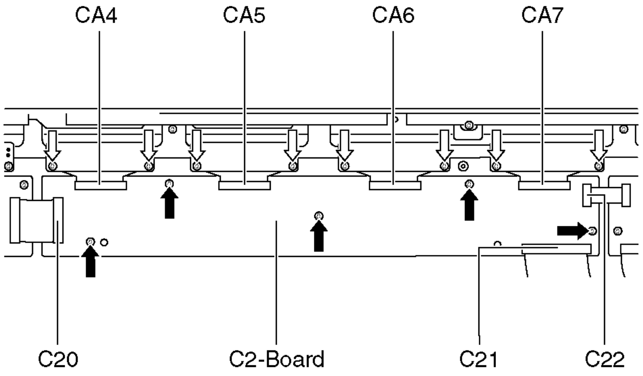
6.18. Remove the C1-Board

1. Remove the flexible cables holder fastening screws (×6 ⇨).
2. Disconnect the flexible cables (CA1, CA2 and CA3).
3. Disconnect the flexible cable (C10).
4. Remove the screws (×5 ➡) and remove the C1-Board.


CA1
CA2
CA3
C1-Board
C10

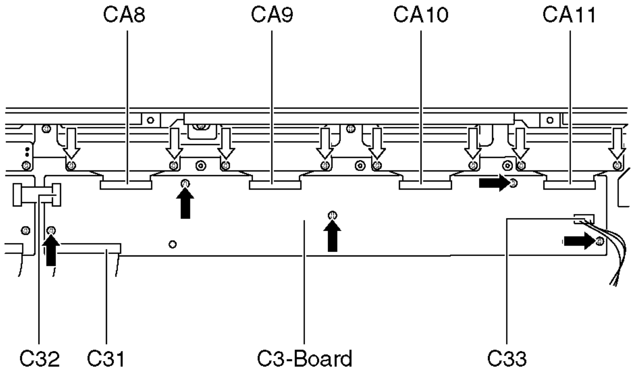
6.19. Remove the C2-Board

1. Remove the flexible cables holder fastening screws (×8 ⇨).
2. Disconnect the flexible cables (CA4, CA5, CA6 and CA7).
3. Disconnect the flexible cables (C20, C21 and C22).
4. Remove the screws (×5 ➡) and remove the C2-Board.


CA4
CA5
CA6
CA7
C20
C2-Board
C21
C22

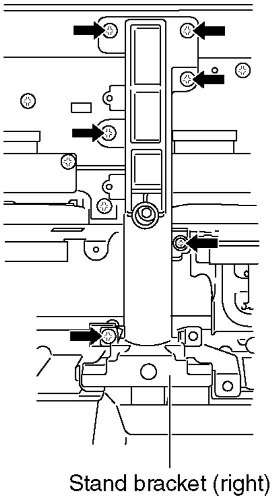
6.20. Remove the C3-Board

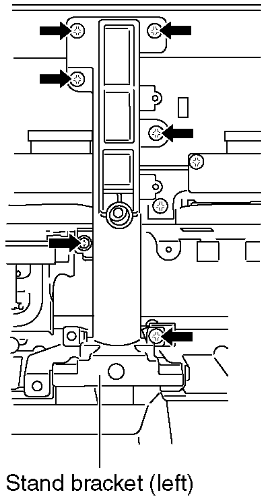
1. Remove the flexible cables holder fastening screws (×8 ⇨).
2. Disconnect the flexible cables (CA8, CA9, CA10 and CA11).
3. Disconnect the flexible cables (C31 and C32).
4. Disconnect the coupler (C33).
5. Remove the screws (×5 ➡) and remove the C3-Board.


CA8
CA9
CA10
CA11
C32
C31
C3-Board
C33

6.21. Remove the stand brackets

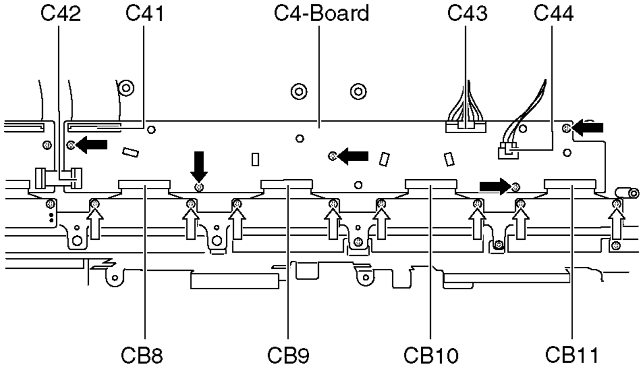
1. Remove the plasma panel section from the servicing stand and lay on a fiat surface such as a table (covered) with the plasma panel surface facing downward.
2. Remove the stand brackets (left, right) fastening screws (×6 ➡ each) and remove the stand brackets (left, right).


Stand bracket (right)


Stand bracket (left)

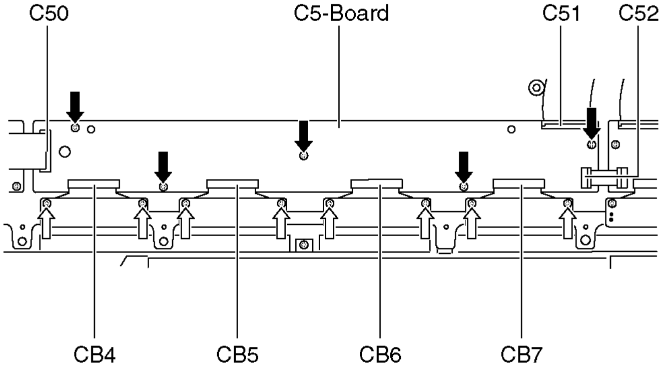
6.22. Remove the C4-Board

1. Remove the stand bracket (left). (See section 6.21.)
2. Remove the flexible cables holder fastening screws (×8 ⇨).
3. Disconnect the flexible cables (CB8, CB9, CB10 and CB11).
4. Disconnect the flexible cables (C41 and C42).
5. Disconnect the couplers (C43 and C44).
6. Remove the screws (×5 ➡) and remove the C4-Board.


C42
C41
C4-Board
C43
C44
CB8
CB9
CB10
CB11

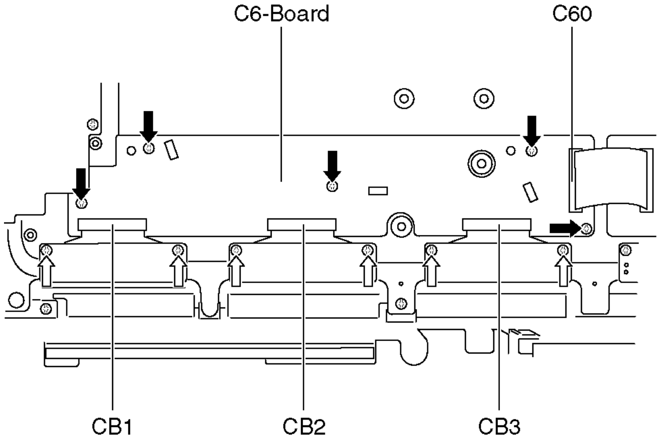
6.23. Remove the C5-Board

1. Remove the flexible cables holder fastening screws (×8 ⇨).
2. Disconnect the flexible cables (CB4, CB5, CB6 and CB7).
3. Disconnect the flexible cables (C50, C51 and C52).
4. Remove the screws (×5 ➡) and remove the C5-Board.


C50
C5-Board
C51
C52
CB4
CB5
CB6
CB7

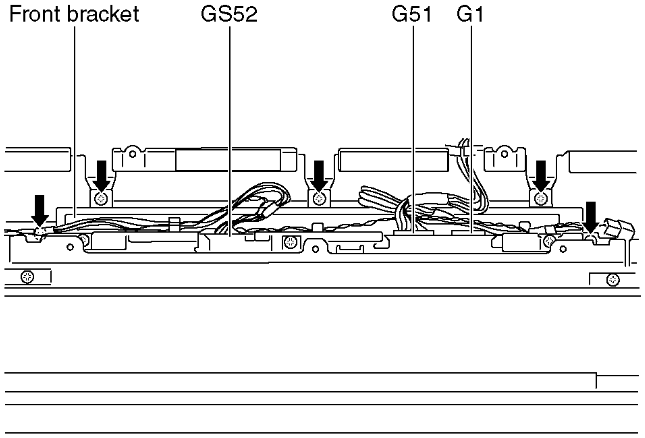
6.24. Remove the C6-Board

1. Remove the stand bracket (right). (See section 6.21.)
2. Remove the flexible cables holder fastening screws (×6 ⇨).
3. Disconnect the flexible cables (CB1, CB2 and CB3).
4. Disconnect the flexible cable (C60).
5. Remove the screws (×5 ➡) and remove the C6-Board.


C6-Board
C60
CB1
CB2
CB3

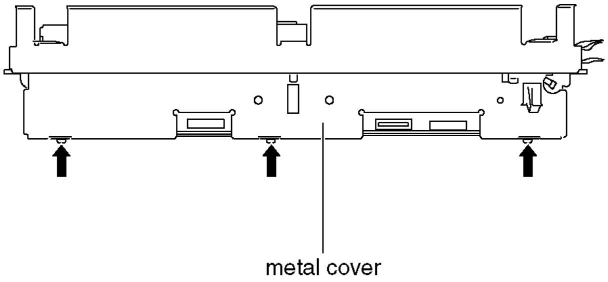
6.25. Remove the front bracket

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (GS52, G1 and G51).
3. Remove the screws (×5 ➡) and remove the front bracket.

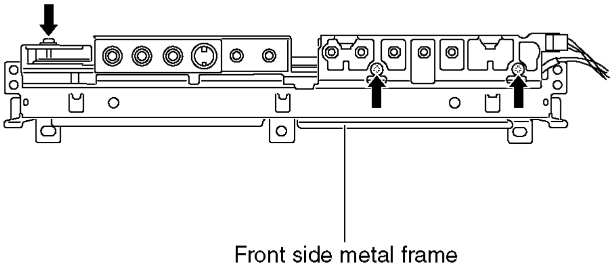

Front bracket
GS52
G51
G1

6.26. Remove the G-Board, GK-Board and GS-Board

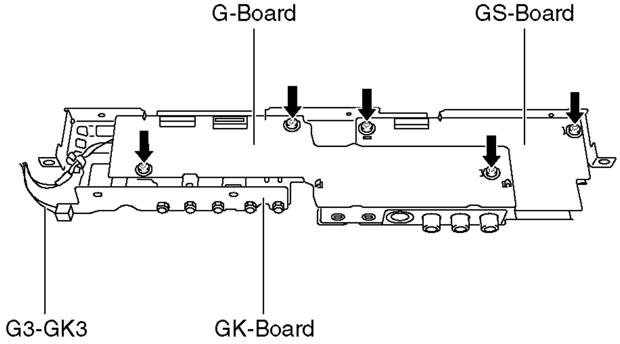
1. Remove the front bracket. (See section 6.25.)
2. Remove the screws (×3 ➡) and remove the metal cover.


metal cover

3. Remove the screws (×3 ➡) from front side and remove the front side metal frame.

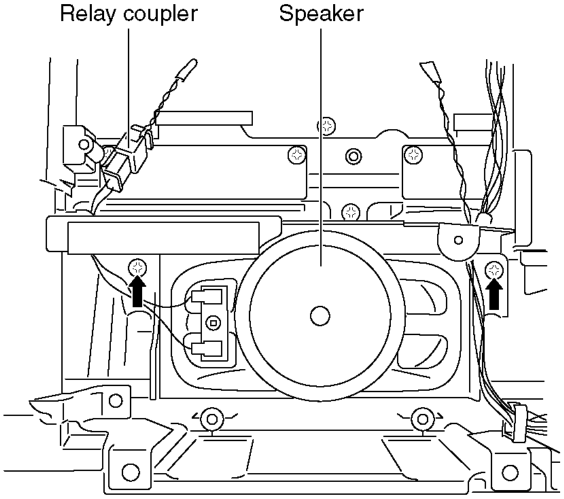

Front side metal frame

4. Remove the screws (×5 ➡) and disconnect the couplers (G3-GK3).
5. Remove the G-Board, GK-Board and GS-Board.


G-Board
GS-Board
G3-GK3
GK-Board

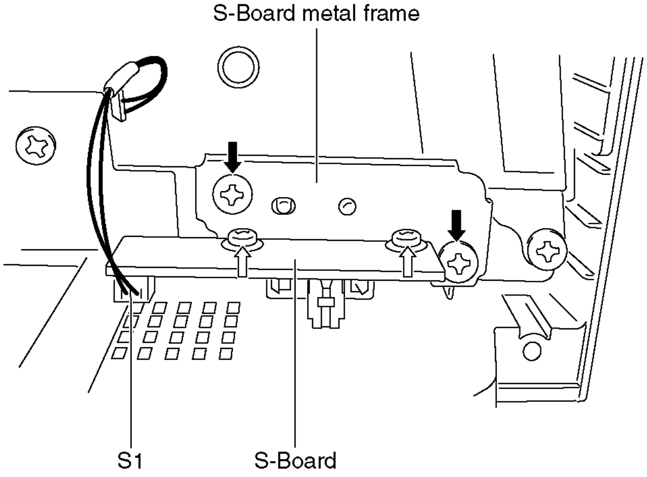
6.27. Remove the speaker L, R

1. Remove the screws (×2 ➡ each) and remove the speaker L, R.


Relay coupler
Speaker

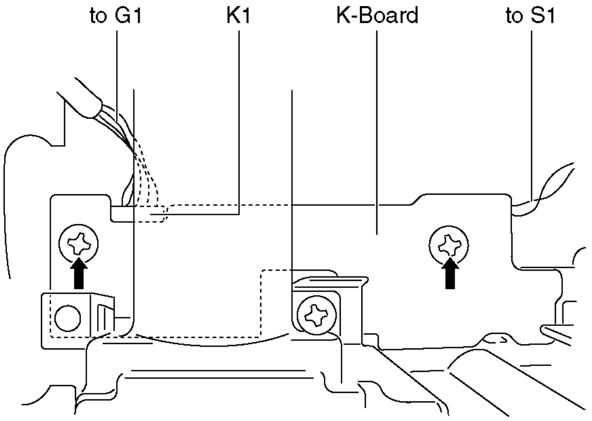
6.28. Remove the S-Board

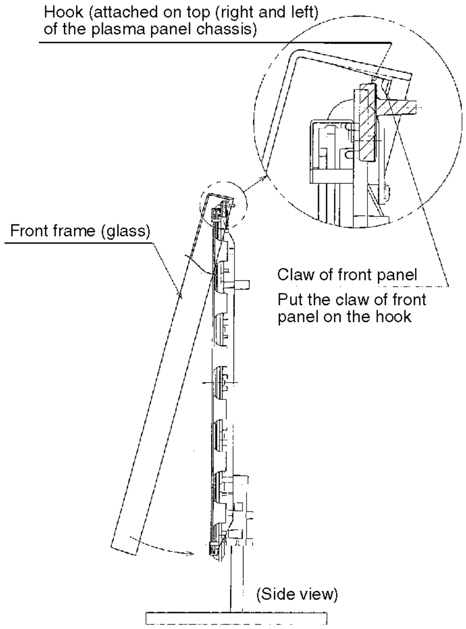
1. Disconnect the coupler (S1).
2. Remove the screws (×2 ➡) and remove the S-Board metal frame.
3. Remove the screws (×2 ⇨) and remove the S-Board.


S-Board metal frame
S1
S-Board

6.29. Remove the K-Board

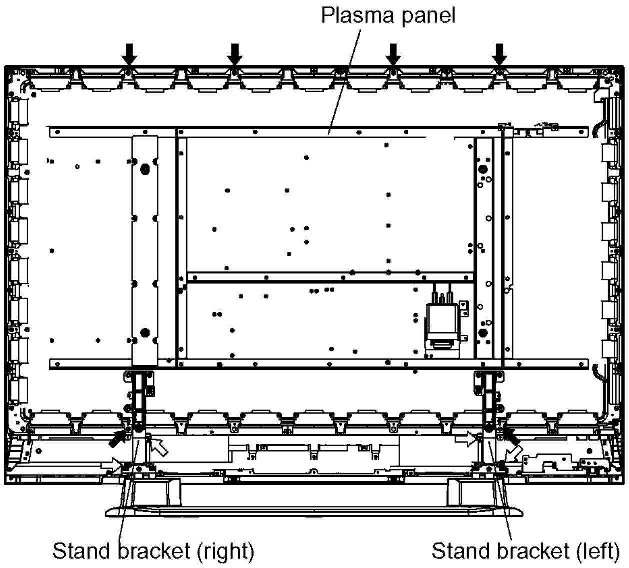
1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (G1 and S1). (See section 6.25. and 6.28.)
3. Remove the screws (×2 ➡) and remove the K-Board.


to G1
K1
K-Board
to S1


Hook (attached on top (right and left) of the plasma panel chassis)
Front frame (glass)
Claw of front panel
Put the claw of front panel on the hook
(Side view)

6.30. Remove the Plasma panel section from the Front frame (glass)

1. Remove the front frame and the plasma panel fastening screws (×6 ➡).
2. Remove the front frame and the stand brackets fastening screws (×4 ⇨).


Plasma panel
Stand bracket (right)
Stand bracket (left)

3. For leaving the plasma panel from the front frame, pull the bottom of the front frame forward, lift, and remove.

6.31. Replace the plasma panel (finished)

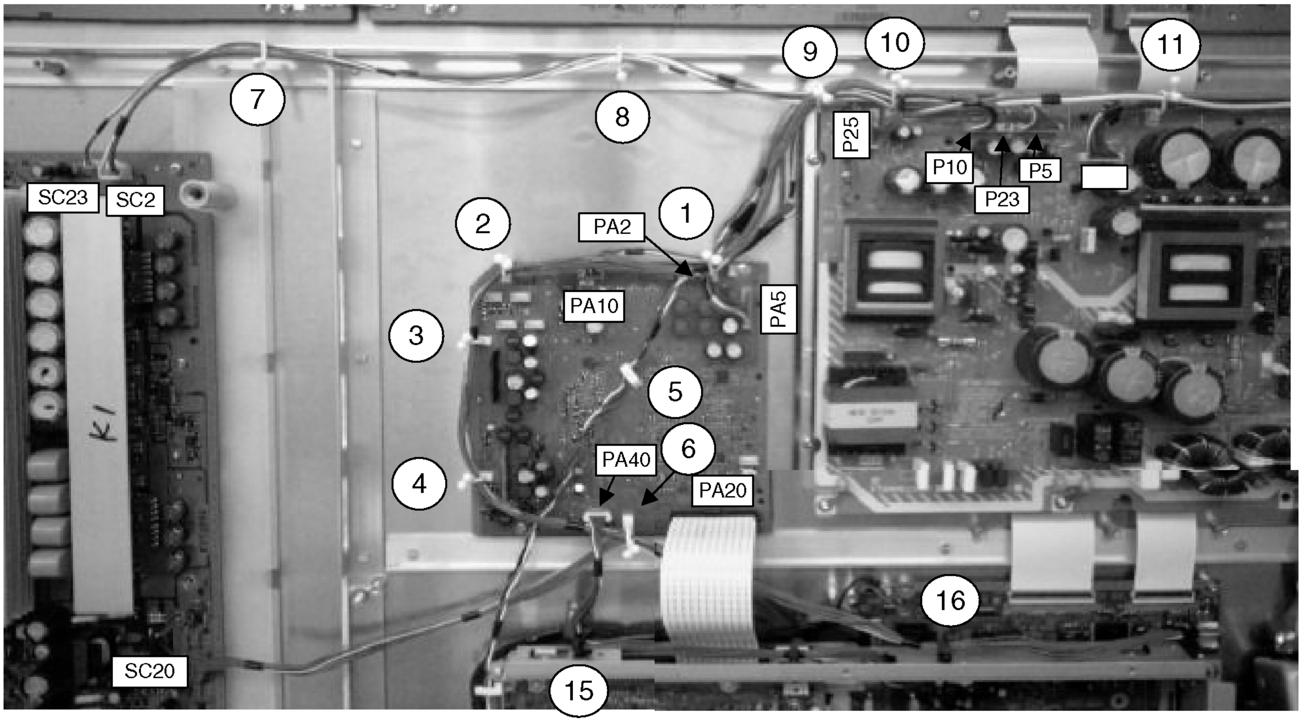
1. Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.
2. Attach the C1, C2, C3, C4, C5 and the C6-Board, connect the flexible cables (×22) from the Plasma panel to the C1, C2, C3, C4, C5 and the C6-Board, and fit the flexible cable holders.
3. Attach the Hooks (left, right) and fit the stand brackets (L, R) to the new plasma panel.
4. Place the plasma panel section on the servicing stand.
5. Attach the front frame and each P.C.Board and so on, to the new plasma panel.

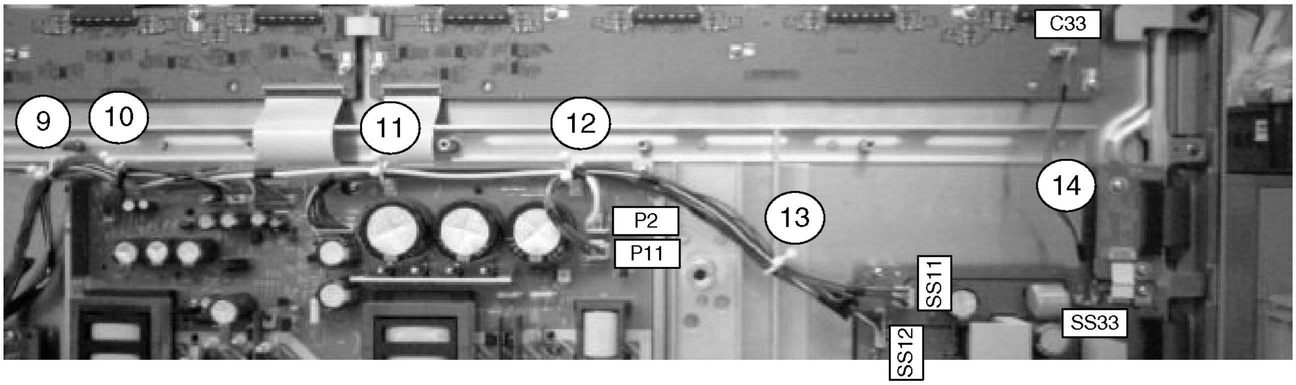
*** When fitting the front frame, be careful to allow any debris, dust or handling residue to remain between the front glass and plasma panel.**

7 Location of Lead Wiring

7.1. Lead of Wiring (1)

The wire is dressed as shown in figure.

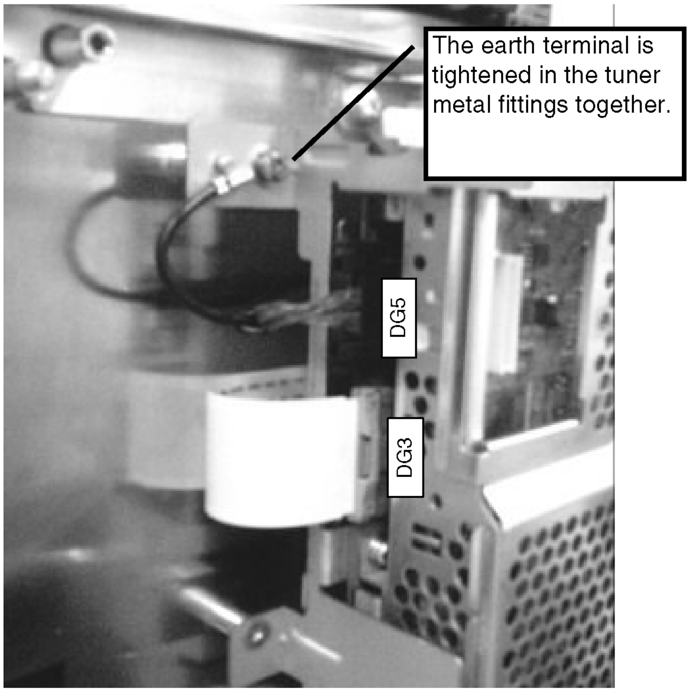

9
10
11
7
8
P25
P10
P5
P23
SC23
SC2
2
1
PA2
PA10
PA5
3
5
PA40
6
4
PA20
16
SC20
15

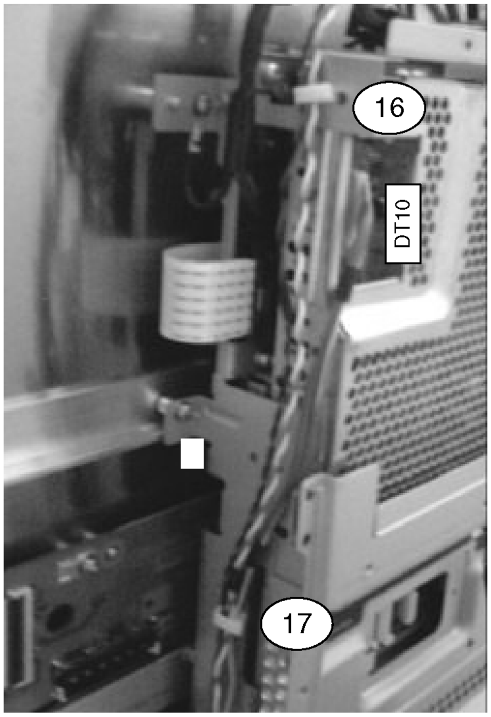

C33
9
10
11
12
14
13
P2
P11
SS11
SS33
SS12

Connection No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯
SC2 - P2							○	○	○	○	○	○				
SC23 - P23							○	○	○	○						
SC20 - D20						○										
PA2 - RERAY					○											
PA5 - P5	○								○	○						
PA10 - P10	○								○	○						
P11 - SS11												○	○			
P12 - SS12											○	○	○			
P25 - D25	○	○	○	○		○			○	○						○
C33 - SS33														○		
H40 - PA40															○	
DG20 - PA20																

7.2. Lead of Wiring (2)

The wire is dressed as shown in figure.

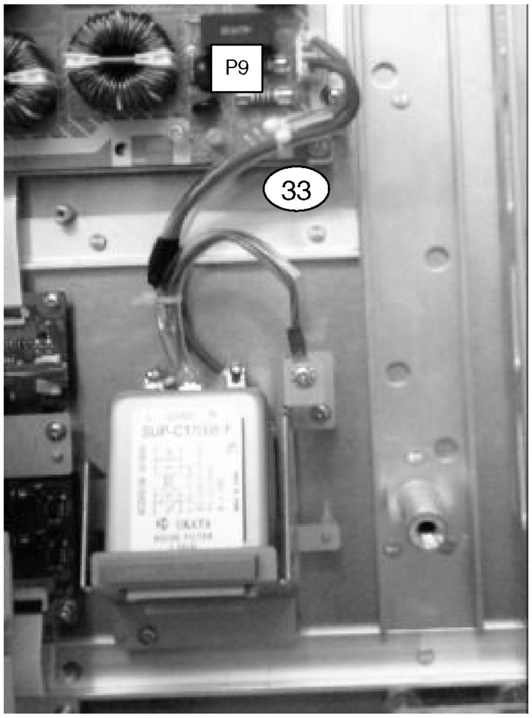

The earth terminal is tightened in the tuner metal fittings together.
DG5
DG3

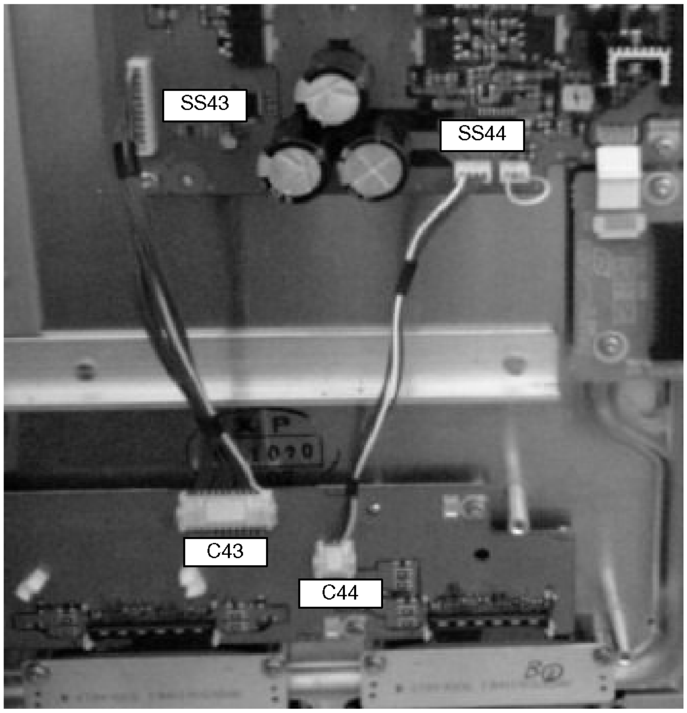


Connection No.	⑥		⑭	⑮	⑯	⑰		
DG3 - D3								
DG5 - D5								
DT10 - GS52						○		
PA2 - RERAY					○	○		

7.3. Lead of Wiring (3)

The wire is dressed as shown in figure.

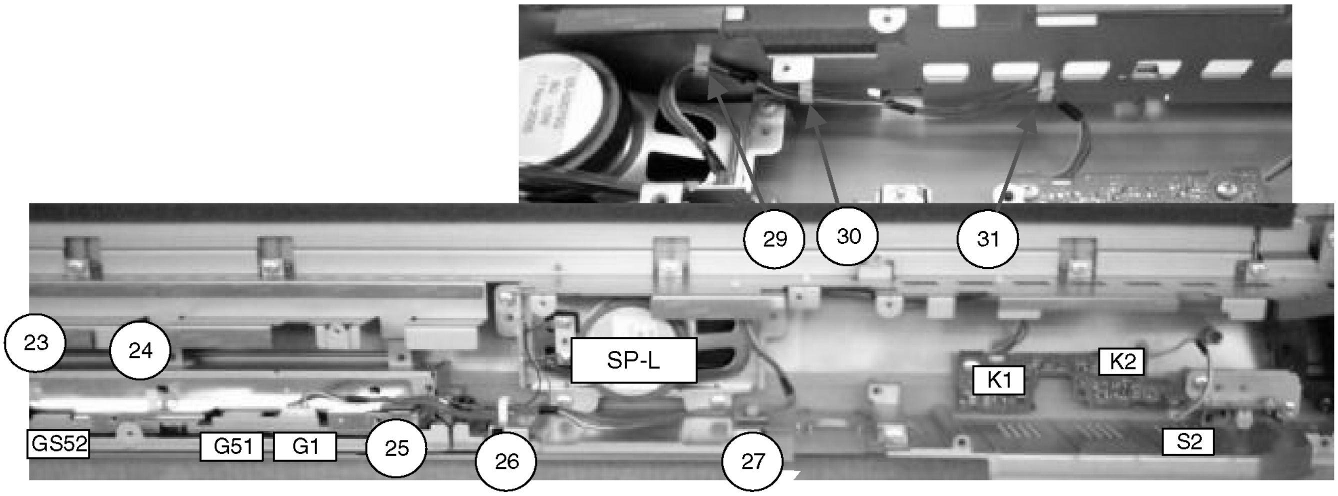


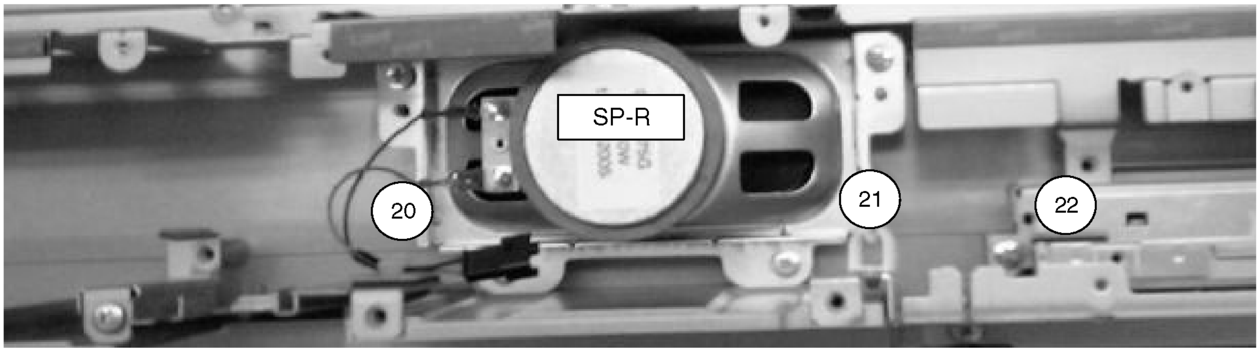

SS43
SS44
C43
C44

Connection No.	㉝							
AC - P9	○							
SS43 - C43								
SS44 - C44								

7.4. Lead of Wiring (4)

The wire is dressed as shown in figure.

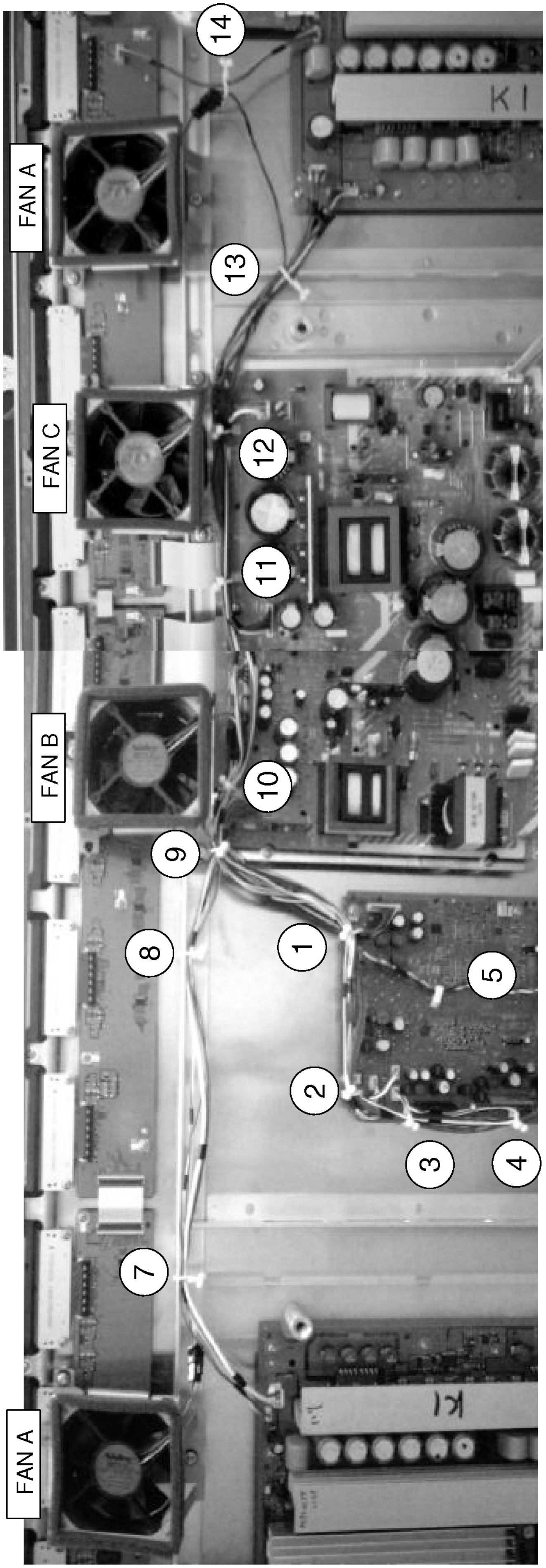

29
30
31
23
24
SP-L
K1
K2
GS52
G51
G1
25
26
27
S2



Connection No.	⑳	㉑	㉒	㉓	㉔	㉕	㉖	㉗		㉙	㉚	㉛
K1 - G1						○	○	○		○	○	
K2 - S2												
SP-L - RERAY							○					
SP-R - RERAY	○											

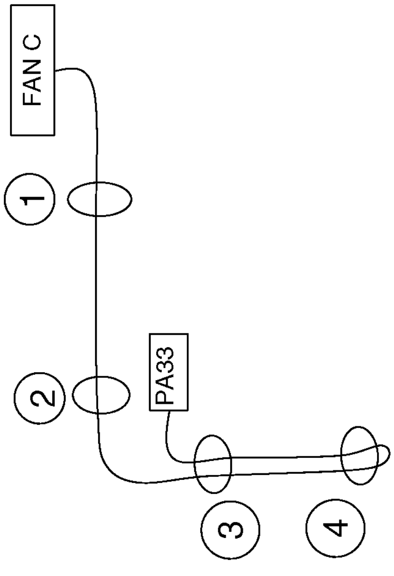
7.5. Lead of Wiring (5)

The wire is dressed as shown in figure.


FAN A
FAN C
FAN B
FAN A
1
2
3
4
5
7
8
9
10
11
12
13
14

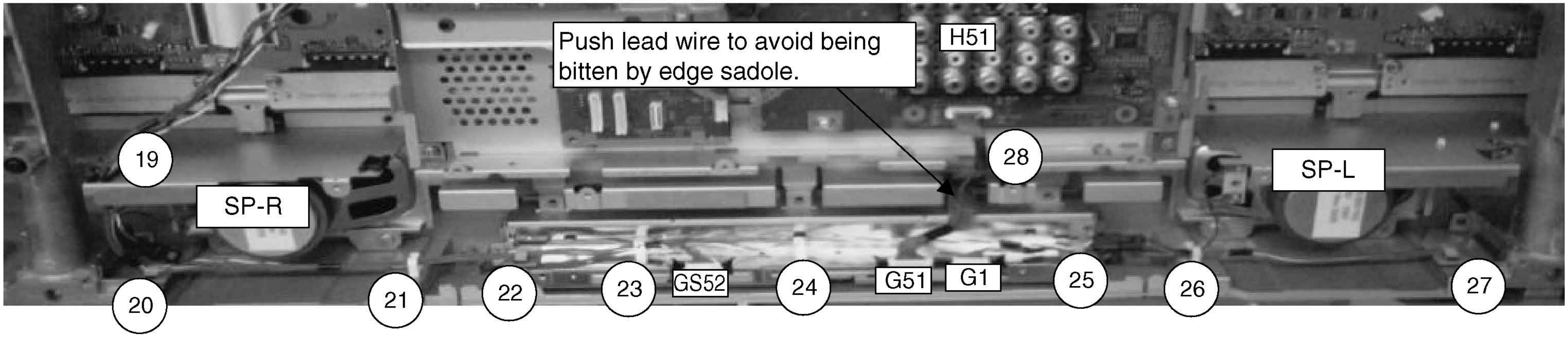
Connection No.	①	②	③	④	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
FAN A - PA31	○	○			○	○	○					
FAN B - PA32	○	○					○	○				
FAN C - PA33	○	○	○	○			○	○	○	○		
FAN A - PA34	○	○					○	○	○	○	○	○

Dress the FAN C-PA33 lead wire as shown in figure.


FAN C
1
2
PA33
3
4

7.6. Lead of Wiring (6)

The wire is dressed as shown in figure.


Push lead wire to avoid being bitten by edge sadole.
H51
28
19
SP-R
SP-L
20
21
22
23
GS52
24
G51
G1
25
26
27

Connection No.	⑲	⑳	㉑	㉒	㉓	㉔	㉕	㉖	㉗	㉘	
PA2 - SP-R	○	○									
PA2 - SP-L	○	○	○	○	○	○	○	○			
DT10 - GS52	○	○	○	○	○						
H51 - G51										○	
K1 - G1							○	○	○		

8 Self-check Function

Use the self-check function to test the unit.

1. Checking the IIC bus lines
2. Power LED Blinking timing

8.1. Check of the IIC bus lines

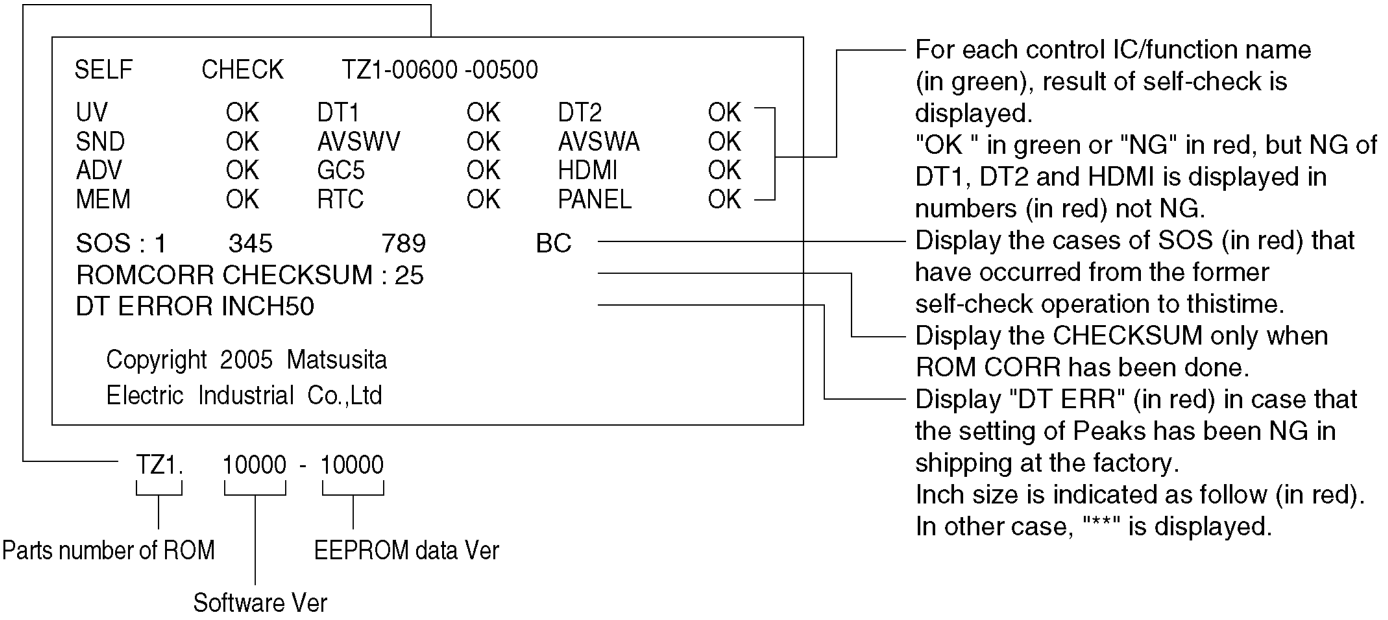
8.1.1. How to access

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [OK] button on the remote control for more than 3 seconds.

8.1.2. Exit

Disconnect the AC cord from wall outlet.

8.1.3. Screen display



```
SELF      CHECK      TZ1-00600 -00500
UV        OK    DT1      OK    DT2      OK
SND       OK    AVSWV    OK    AVSWA    OK
ADV       OK    GC5      OK    HDMI     OK
MEM       OK    RTC      OK    PANEL    OK
SOS : 1   345        789        BC
ROMCORR CHECKSUM : 25
DT ERROR INCH50

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  Electric Industrial Co.,Ltd
```

For each control IC/function name (in green), result of self-check is displayed. "OK " in green or "NG" in red, but NG of DT1, DT2 and HDMI is displayed in numbers (in red) not NG.

Display the cases of SOS (in red) that have occurred from the former self-check operation to thistime.

Display the CHECKSUM only when ROM CORR has been done.

Display "DT ERR" (in red) in case that the setting of Peaks has been NG in shipping at the factory. Inch size is indicated as follow (in red). In other case, "**" is displayed.

Displayed NG of DT1, DT2 and HDMI in numbers (in red)

bit	DT1	DT2	HDMI
0	RDRAM	EEPROM Read	IIC address error
1	BOOT&FONT	EEPROM Write	EDIC CHECKSUM error
2	LAN (NIC)	Peaks	HDCP KEY Writing and CHECKSUM error
3	EEP SPECIFIC AREA	SID6	BKSV Error
4	1394ConfigROM	1394LSI	Robustness rule error
5	AKE CRM	TOTAL NIM TUNER (PEAKS)	NO USE (0 Fixed)
6	File Initialize	Extended SERIAL	NO USE (0 Fixed)
7	MAC Address	Video Encoder	NO USE (0 Fixed)

* NG indicating condition of UV is OR logic of NG of the Multi-sound-IC and NG of the UV tuner.
* In the causes that DT1 is NG, the communication between the tuning microcomputer and the Peaks can't be performed normally and then DT1 is placed in NG condition.
* The cause that DT2 goes into NG as follows below.
  Peaks microcomputer accesses to the peripheral devices through IIC, and no response form devices are NG.
  Peripheral devices: EEPROM, FRONT END and NTSC ENCODER

8.1.4. Check Point

Confirm the following parts if NG was displayed.

Display	Ref.No.	Description	Board
UV	TU8200	TV Tuner	DT-Board
DT1	IC8211	Front Processor	DT-Board
DT2	IC8240	HDMSL PEAKS_Lite	DT-Board
SND	IC2603	Sound Processor	H-Board
AVSWV	IC2601	Video SW	H-Board
AVSWA	IC2602	Audio SW	H-Board
ADV	IC4019	10Bits A/D	DG-Board
GC5	IC4037	GC5 Processor	DG-Board
HDMI	IC4026	HDMI I/F Reciever	DG-Board
MEM	IC1102	EEPROM	DG-Board
RTC	-	-	-
PANEL	IC9003	MICOM	D-Board

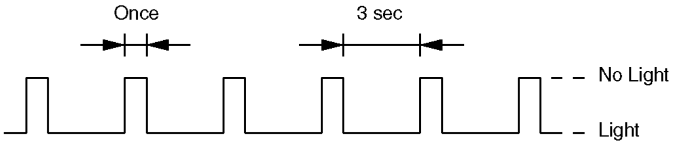
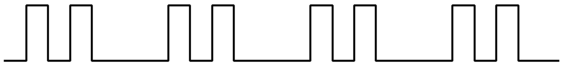
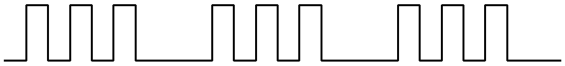
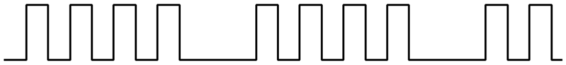
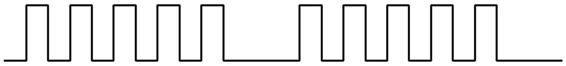
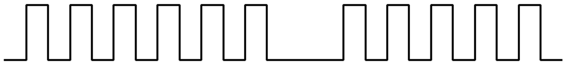
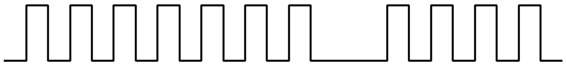
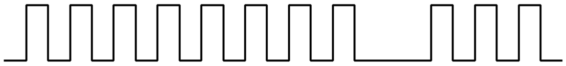
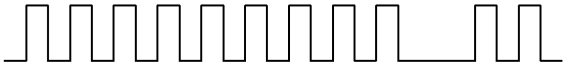
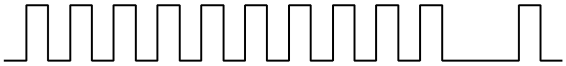
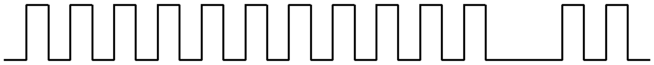
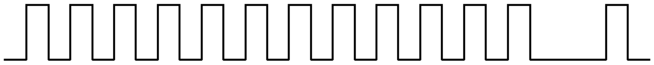
8.2. Power LED Blinking timing chart

1. Subject

   Information of LED Flashing timing chart.

2. Contents

   When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on the front panel of the unit.

Blinking Times	Blinking timing	Contents	Check point
1		No particular check point	-
2		12V SOS	D-Board
3		3.3V SOS	D-Board
4		Power SOS	P-Board
5		5V SOS	D-Board
6		Driver SOS1 (SC Energy recovery circuit)	SU-Board SD-Board SC-Board
7		Driver SOS2 (SC floating voltage area)	SU-Board SD-Board SS-Board
8		Driver SOS3 (SS Energy recovery circuit)	SS-Board
9		Panel Status	-
10		PA SOS Tuner SOS	PA-Board H-Board
11		Fan SOS	Fan
12		Sound SOS	PA-Board

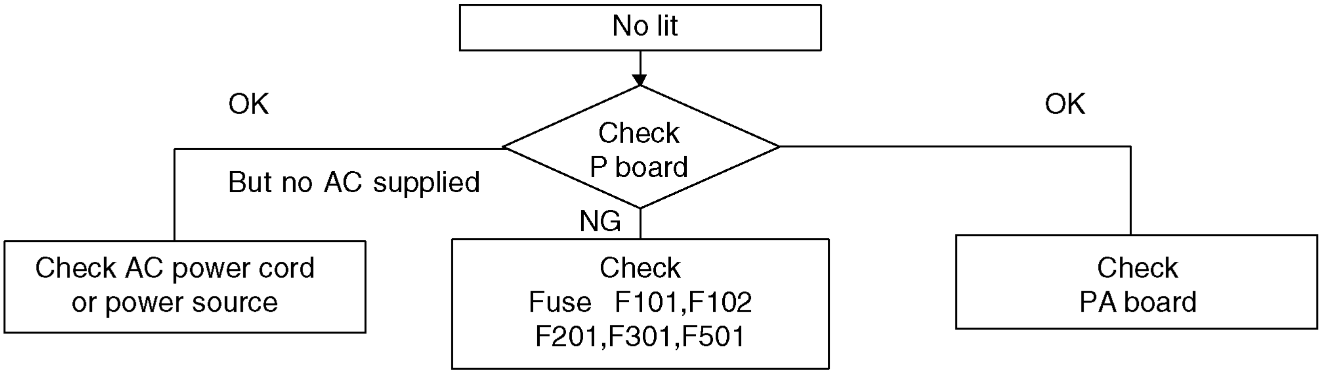
8.3. No Power

First check point

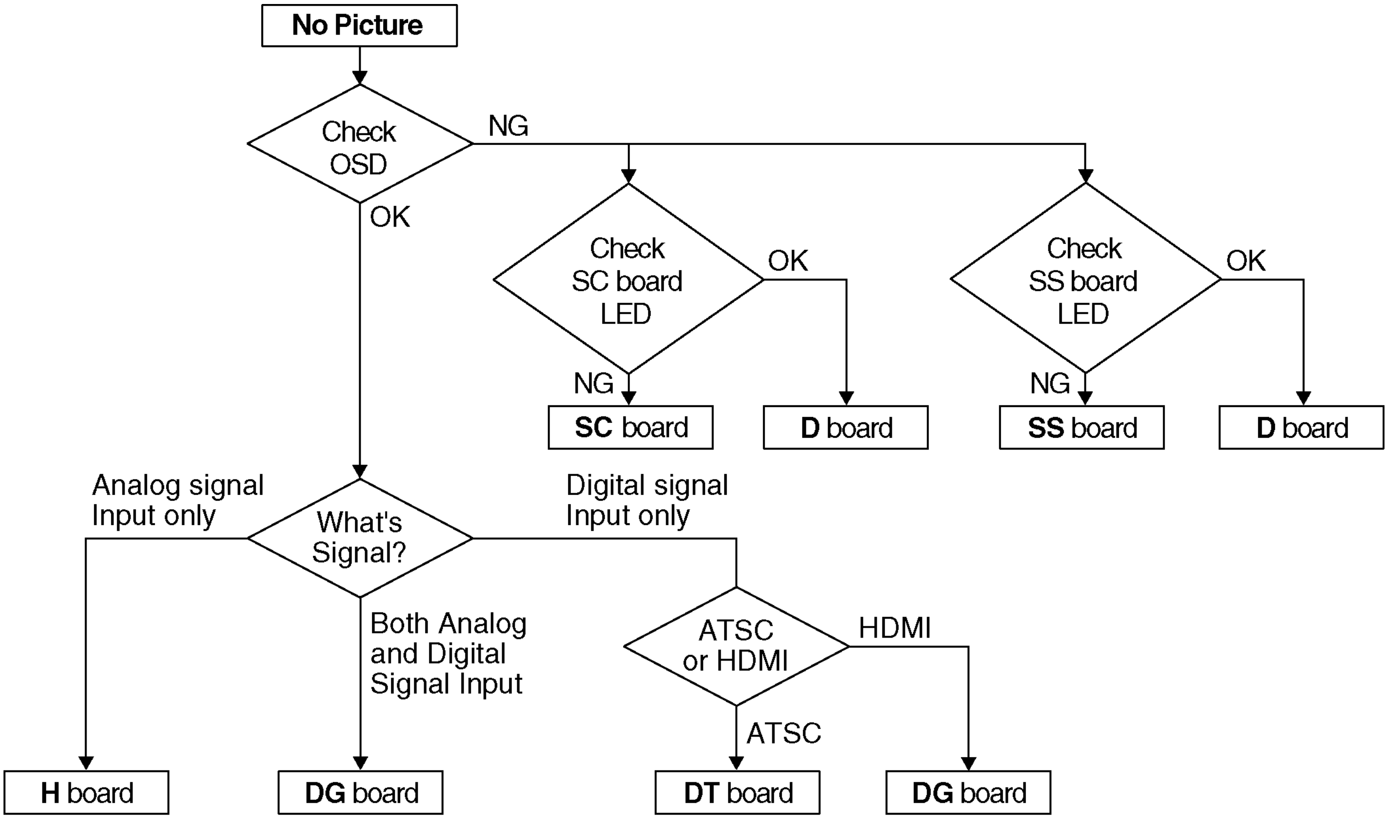
There are following 2 states of No Power indication by power LED.

1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 8.2.)

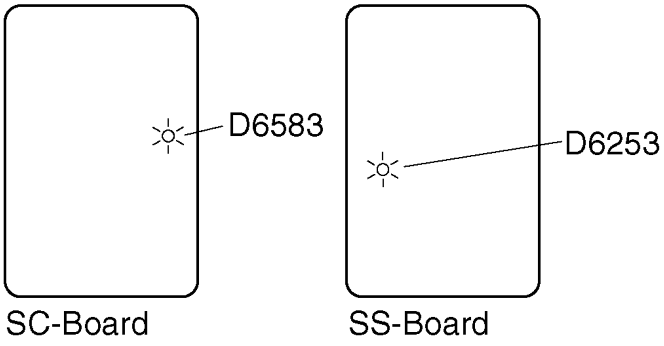
1. No lit


No lit
Check
P board
OK
But no AC supplied
Check AC power cord
or power source
NG
Check
Fuse F101,F102
F201,F301,F501
OK
Check
PA board

8.4. No Picture

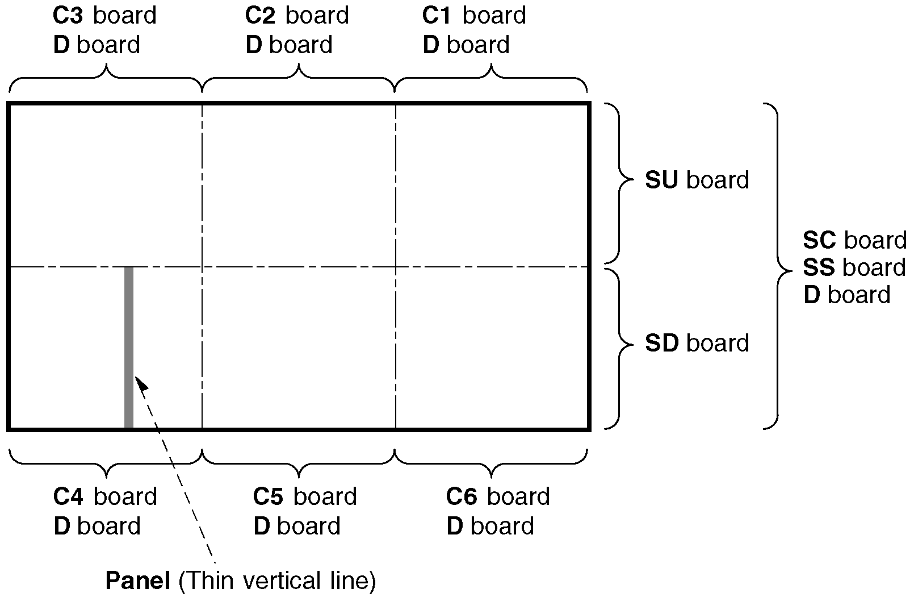

No Picture
Check OSD
NG
OK
Check SC board LED
OK
NG
SC board
D board
Check SS board LED
OK
NG
SS board
D board
Analog signal Input only
What's Signal?
Digital signal Input only
Both Analog and Digital Signal Input
ATSC or HDMI
HDMI
ATSC
H board
DG board
DT board
DG board

Drive circuits LED indicator


D6583
D6253
SC-Board
SS-Board

8.5. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.


C3 board
D board
C2 board
D board
C1 board
D board
SU board
SD board
SC board
SS board
D board
C4 board
D board
C5 board
D board
C6 board
D board
Panel (Thin vertical line)

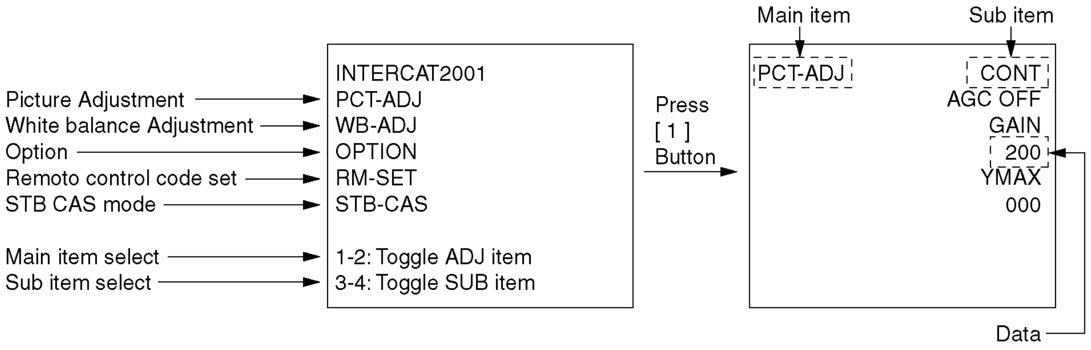
<Local screen failure chart>

Fig-1

9 Serviceman Mode

9.1. How to enter into Serviceman Mode

While pressing [VOLUME (-)] button of the main unit, press [RECALL] button of the remote control three times within 3 seconds.


Picture Adjustment
White balance Adjustment
Option
Remoto control code set
STB CAS mode
Main item select
Sub item select
INTERCAT2001
PCT-ADJ
WB-ADJ
OPTION
RM-SET
STB-CAS
1-2: Toggle ADJ item
3-4: Toggle SUB item
Press
[1]
Button
Main item
Sub item
PCT-ADJ
CONT
AGC OFF
GAIN
200
YMAX
000
Data

9.1.1. Key command

"1" button...Main items Selection in forward direction

"2" button...Main items Selection in reverse direction

"3" button...Sub items Selection in forward direction

"4" button...Sub items Selection in reverse direction

"VOL" button...Value of sub items change in forward direction (+), in reverse direction (-)

9.1.2. Cancellation

Switch off the power with the [POWER] button on the main unit or the [POWER] button on the remote control.

9.2. Contents of adjustment mode

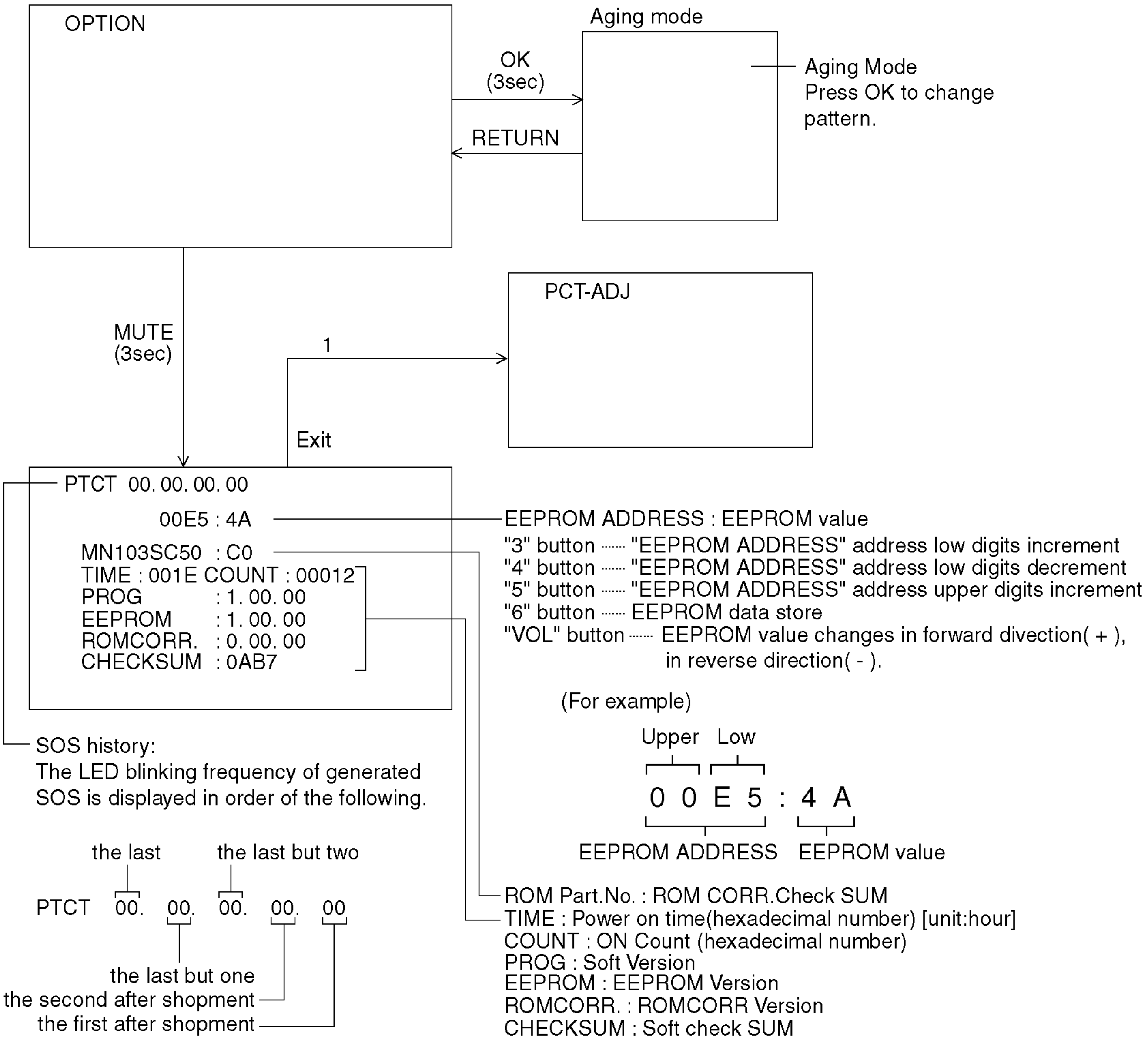
- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data	Remark
PCT-ADJ	CONT	GAIN 200	
	COLOR	38	
	TINT	05	
	BRIGHT	7FB	
	RFAGC1	74	
	AGCADJ1	FIX	
	RFAGC2	74	
	AGCADJ2	FIX	
WB-ADJ	R CUT	80	
	G CUT	80	
	B CUT	80	
	R DRV	EC	
	G DRV	FC	
	B DRV	DB	
	ALL CUT	80	
	ALL DRV	FC	
	WB BRG	804	
OPTION	SD BOOT	ROM	
	OPT00	01	
	ANT-POW	OFF	
	POF-SET	NORMAL	
	STB-SEC	SEC	
	EMGCY	OFF	
	EEP COPY	ALL	
	CLK MODE	00	
	CLOCK	80	
	CEC-CHK	OFF	
RM-SET	CODE	A	
STB-CAS	-	-	

9.3. Memory edit mode

9.3.1. How to access

1. Select “OPTION” in Service man Mode.
2. Press [MUTE] button on the remote control for more than 3 seconds.


OPTION
OK
(3sec)
RETURN
Aging mode
PCT-ADJ
MUTE
(3sec)
1
Exit
PTCT 00. 00. 00. 00
00E5 : 4A
MN103SC50 : C0
TIME : 001E COUNT : 00012
PROG : 1. 00. 00
EEPROM : 1. 00. 00
ROMCORR. : 0. 00. 00
CHECKSUM : 0AB7
(For example)
Upper
Low
0 0 E 5 : 4 A
EEPROM ADDRESS
EEPROM value
the last
the last but two
PTCT 00. 00. 00. 00. 00
the last but one
the second after shopment
the first after shopment

Aging Mode
Press OK to change pattern.

EEPROM ADDRESS : EEPROM value
"3" button ······ "EEPROM ADDRESS" address low digits increment
"4" button ······ "EEPROM ADDRESS" address low digits decrement
"5" button ······ "EEPROM ADDRESS" address upper digits increment
"6" button ······ EEPROM data store
"VOL" button ······ EEPROM value changes in forward divection(+), in reverse direction(-).

SOS history:
The LED blinking frequency of generated SOS is displayed in order of the following.

ROM Part.No. : ROM CORR.Check SUM
TIME : Power on time(hexadecimal number) [unit:hour]
COUNT : ON Count (hexadecimal number)
PROG : Soft Version
EEPROM : EEPROM Version
ROMCORR. : ROMCORR Version
CHECKSUM : Soft check SUM

9.3.2. Exit

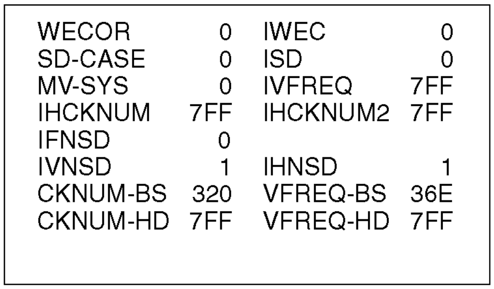
1. Press [1] button on the remote control.

9.4. Device data mode

Device data display obtain IIC lead status and various processing values for the problem analysis by the market etc.

9.4.1. How to access

1. Select the memory edit mode.
2. Press [RECALL] button on the remote control.



```
WECOR        0   IWEC          0
SD-CASE      0   ISD           0
MV-SYS       0   IVFREQ      7FF
IHCKNUM    7FF   IHCKNUM2    7FF
IFNSD        0
IVNSD        1   IHNSD         1
CKNUM-BS   320   VFREQ-BS    36E
CKNUM-HD   7FF   VFREQ-HD    7FF
```

9.4.2. Exit

1. Press [RECALL] button on the remote control.

10 Adjustment Procedure

10.1. Driver Set-up

10.1.1. Item / Preparation

1. Input a white signal to plasma video input.
2. Set the picture controls as follows.

   Picture menu: Vivid

   Picture: +30

   Aspect: Full

Caution

1. First perform Vsus adjustment.
2. Confirmation of Vscn voltage should be performed after confirmation of Vad adjustment.

   When Vad=-90V, Voltage of Vscn is 30V ±3V.

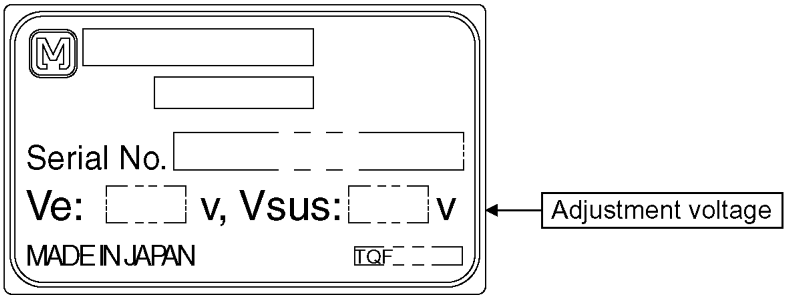
10.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus ± 2V	VR251 (P)	*
Ve	TPVE (SS)	Ve ± 2V	VR6000 (SS)	*
Vset	TPVSET (SC)	280V ± 7V	Fixed	
Vad	TPVAD (SC)	-105V ± 1V	VR6600 (SC)	
Vscn	TPVSCN (SC)	Vad+140V ± 4V	Fixed	
Vda	TPVDA (SS)	75V ± 1V	Fixed	

*See the Panel label.

Panel Label information



10.2. Initialization Pulse Adjust

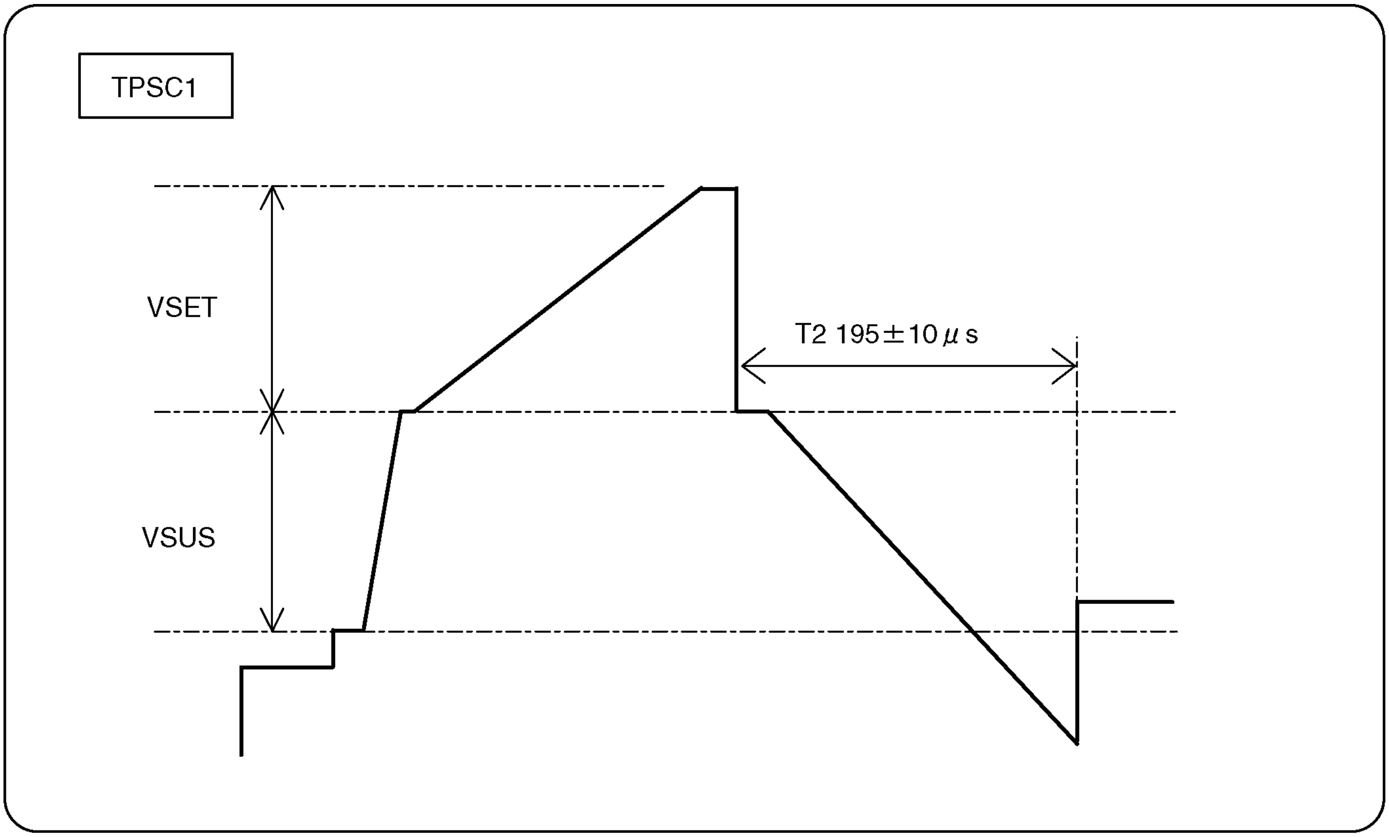
1. Input the White signal to plasma video input.
2. Set the picture controls as follows.

   Picture menu : Vivid

   Picture : +25

   Aspect : Full
3. Connect Oscilloscope to TPSC1 (T2) and adjust VR6602 for 195+10µ Sec.

	Test point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	195 ± 10µ Sec



10.3. P.C.B. (Printed Circuit Board) exchange

10.3.1. Caution

1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

10.3.2. Quick adjustment after P.C.B. exchange

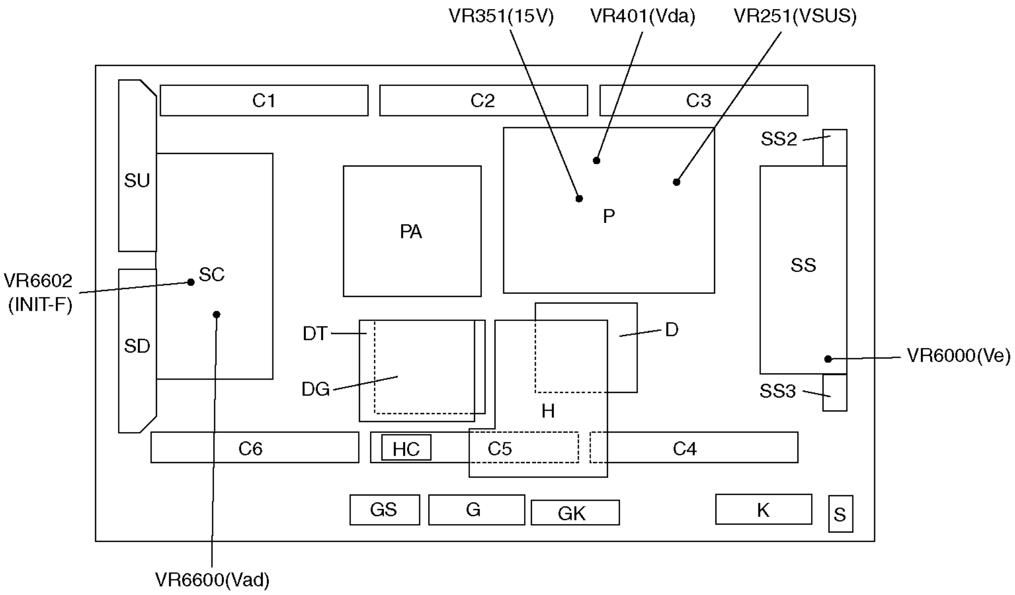
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	Vsus ± 2V	VR251 (P)	*
SC Board	Vad	TPVAD (SC)	-105V ± 1V	VR6600 (SC)	
SS Board	Ve	TPVE (SS)	Ve ± 2V	VR6000 (SS)	*
D, DG Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

*See the Panel label.

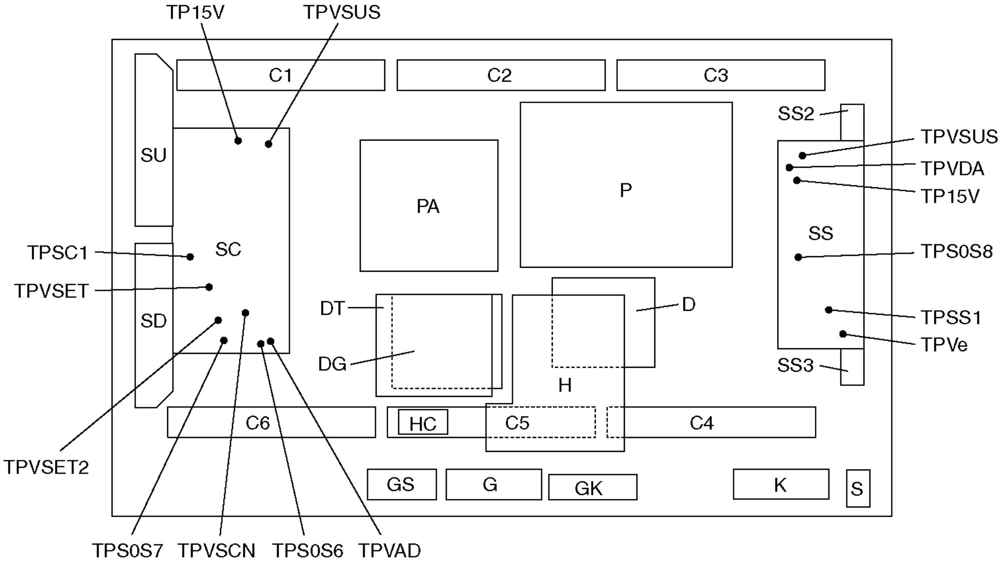
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

10.4. Adjustment Volume Location


VR351(15V)
VR401(Vda)
VR251(VSUS)
C1
C2
C3
SS2
SU
PA
P
SS
VR6602
(INIT-F)
SC
SD
DT
D
VR6000(Ve)
DG
SS3
H
C6
HC
C5
C4
GS
G
GK
K
S
VR6600(Vad)

10.5. Test Point Location


TP15V
TPVSUS
C1
C2
C3
SS2
TPVSUS
SU
TPVDA
TP15V
PA
P
SS
TPSC1
SC
TPS0S8
TPVSET
SD
DT
D
TPSS1
TPVe
DG
SS3
H
C6
HC
C5
C4
TPVSET2
GS
G
GK
K
S
TPS0S7
TPVSCN
TPS0S6
TPVAD

11 Adjustment

11.1. White balance adjustment

Instrument Name	Connection	Remarks
・W/B pattern ・Color analyzer (Minolta CA-100 or equivalent)	Component input Panel surface	User setting: Normal

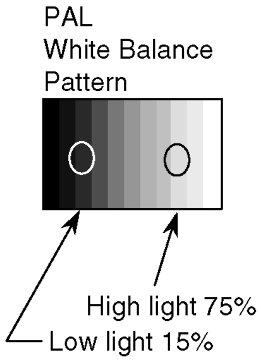
Procedure	Remarks
・Ensure aging is adequate.	Pic Menu: Vivid Picture: +30 ASPECT: FULL
・Make sure the front panel to be used on the final set is fitted.	
・Make sure a color signal is not being shown before adjustment.	
・Put the color analyzer where there is little color variation.	
1. Output a white balance pattern.	
2. Check that the color temperature is “cool”.	
3. Set to factory mode, WB-ADJ.	・Highlight section
4. Set “R-CUT” “G-CUT” “B-CUT” 80h.	Signal amplitude 75%
5. Attach the sensor of color analyzer to the center of highlight window.	 PAL White Balance Pattern High light 75% Low light 15%
6. Fix G drive at C0h and adjust “B-DRV” and “R-DRV” so x, y value of color analyzer become the “Color temperature High” in table 1.	
7. Increase RGB together so the maximum drive value in RGB becomes FCh. That is, set “ALL DRIVE” to FCh.	
8. Set color temperature to “Normal”.	
9. Set “R-CUT” “G-CUT” “B-CUT” 80h.	
10. Attach the sensor of color analyzer to the center of highlight window.	
11. Fix G drive at C0h and adjust “B-DRV” and “R-DRV” so x, y value of color analyzer become the “Color temperature Mid” in table 1.	
12. Increase RGB together so the maximum drive value in RGB becomes FCh. That is, set “ALL DRIVE” to FCh. * When WB-ADJ(mid) is adjusted by data-offset, set values as follows. R-DRV : the same as R-DRV_cool G-DRV : “G-DRV_cool” -2hDAC B-DRV : “B-DRV_cool” -22hDAC	
13. Set color temperature to “Warm”.	
14. Set “R-CUT” “G-CUT” “B-CUT” 80h.	
15. Attach the sensor of color analyzer to the center of highlight window.	
16. Fix G drive at E0h and adjust “B-DRV” and “R-DRV so x, y value of color analyzer become the “Color temperature Low” in table 1.	
17. Increase RGB together so the maximum drive value in RGB becomes FCh. That is, set “ALL DRIVE” to FCh. * When WB-ADJ(warm) is adjusted by data-offset, set values as follows. R-DRV : the same as R-DRV_cool G-DRV : “G-DRV_cool” -AhDAC B-DRV : “B-DRV_cool” -62hDAC	
18. Set color temperature to “Cool”.	
19. Copy values adjusted by HD pattern to the NTSC data area of EEPROM.	

Table 1, W/B adjustment value

Color Temperature	x	y
Cool	0.276	0.276
Normal	0.288	0.296
Warm	0.313	0.329

Table 2, Cutoff data addresses (HD)

Color Temperature	R	G	B
High	A0-0125	A0-0126	A0-0127
Medium	A0-012B	A0-012C	A0-012D
Low	A0-0131	A0-0132	A0-0133

Table 3, Drive data addresses (HD)

Color Temperature	R	G	B
High	A0-0128	A0-0129	A0-012A
Medium	A0-012E	A0-012F	A0-0130
Low	A0-0134	A0-0135	A0-0136

Table 4, Cutoff data addresses (NTSC)

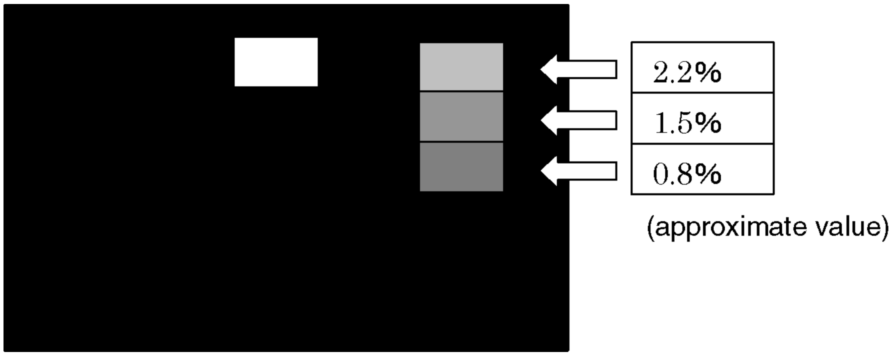
Color Temperature	R	G	B
High	A0-0137	A0-0138	A0-0139
Medium	A0-013D	A0-013E	A0-013F
Low	A0-0143	A0-0144	A0-0145

Table 5, Drive data addresses (NTSC)

Color Temperature	R	G	B
High	A0-013A	A0-013B	A0-013C
Medium	A0-0140	A0-0141	A0-0142
Low	A0-0146	A0-0147	A0-0148

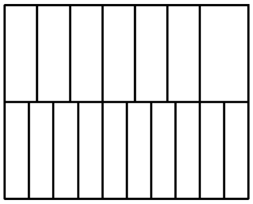
11.2. Sub bright adjustment

Instrument Name	Connection	Remarks
1. NTSC signal generator	The input terminal	Picture menu: Vivid Color temp: Cool ASPECT: Full

Procedure	Remarks
・Color balance adjustment is finished for each signal. ・Do adjustments in a dark room. 1. Display the pattern for adjusting sub bright from video input. 2. Use "SUB-BRT" in "WB-ADJ" in Serviceman Mode menu. adjust so the top section shows up and the center section fades away. SUB-BRT EEPROM address : 112: sub bright (upper) 0x08 113: sub bright (lower) 0x00 	TV is set to 0IRE when it is in factory mode. The pattern for adjust is made so that black level is 0IRE.

11.3. ABL operation level adjustment

Instrument Name	Connection	Remarks
・PC (RGB) signal generator (Leader: VGA/No.9 signal) ・Wattmeter	・Component 1 ・Connect the AC power of the adjustment set to the wattmeter.	

Procedure	Remarks
[condition] ・Make sure the set is aged for 30 minutes or more before adjustment. ・Voltage 120V 50/60Hz (variation within 1%) ・Volume at minimum and screen size at full ・Component 1 input, Pic. mode : Vivid (Normal : Set) 1. Connect the set's AC power to the wattmeter. 2. Receive the VGA No.9 signal from Leader. 3. Select the PWRCTRL item in WB-ADJ in the factory mode (INTERCAT2001). 4. Adjust PWRCTRL so the set's power consumption are as follows. Adjust to shift large to small for DAC. [DATA] ・・・04 03 02 01 00 FF FE FD FC・・・ [POWER] low ←――――――→ high Factory adjustment with OSD TH-50PX60U 440 ± 5W	 No.9 Signal Top half: Full color bar Bottom half: Horizontal 10 steps bar **Notes:** 1. It is OK that falling down the power few watts when exiting the factory adjustment mode. 2. Adjust the large number for DAC when they have 2 adjustment points.

12 Hotel mode

1. Purpose

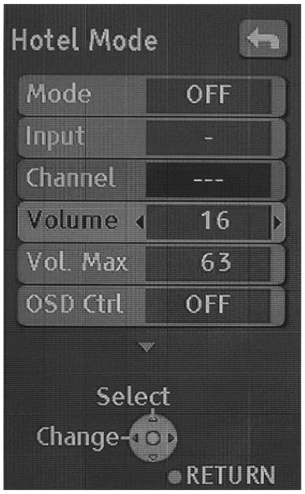
   Restrict a function for hotels.

2. Access command to the Hotel mode setup menu

   In order to display the Hotel mode setup menu, please enter the following command **(within 2 second)**.

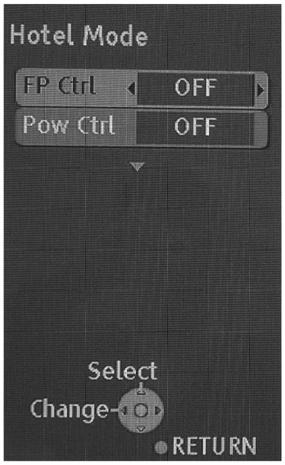
   [TV] : Vol. “Down” + [REMOTE] : TV/VIDEO (3 times)

   Then, the Hotel mode setup menu is displayed.



Hotel Mode

Mode OFF
Input -
Channel ---
Volume 16
Vol. Max 63
OSD Ctrl OFF



Hotel Mode

FP Ctrl OFF
Pow Ctrl OFF

3. Explain the Hotel mode setup menu
4. To exit the Hotel mode

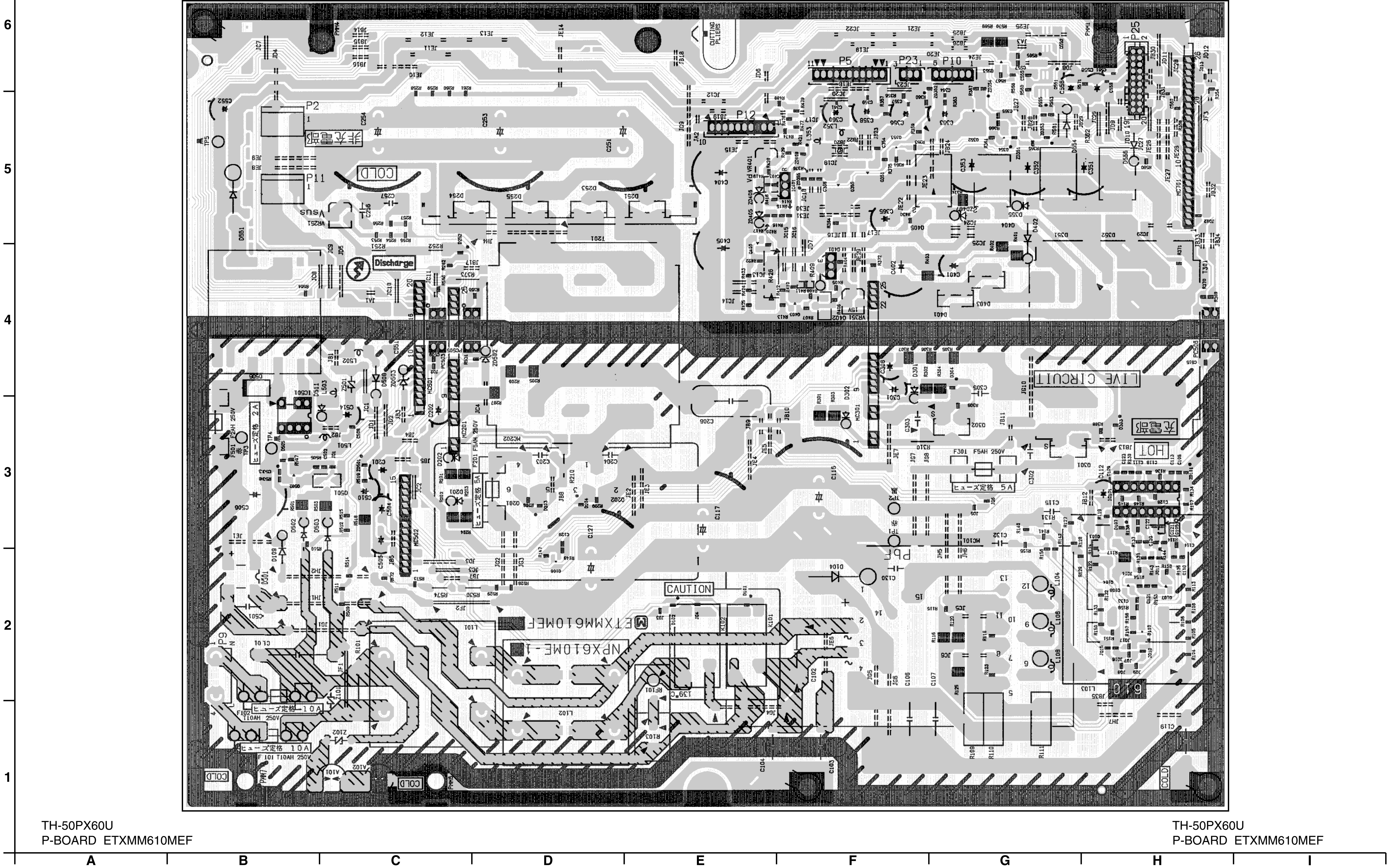
   Disconnect AC power cord from wall outlet.

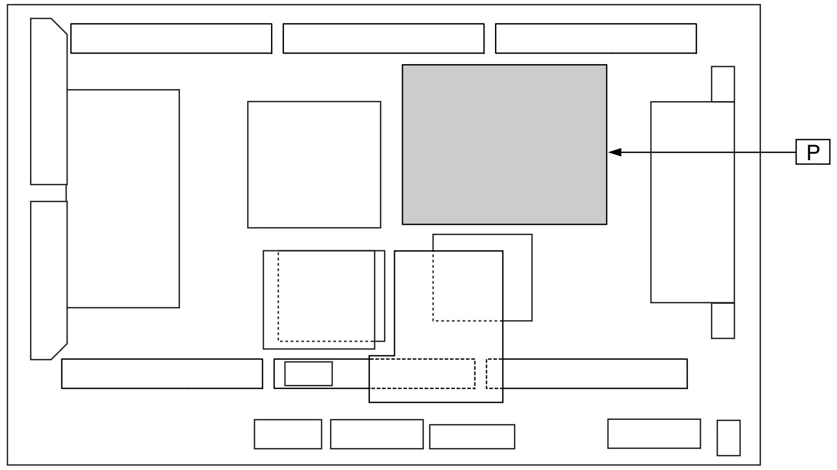
item	Function
Mode	Select hotel mode ON/OFF
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: OFF/RF/COMP1/COMP2/HDMI1/HDMI2/VIDEO1/VIDEO2/VIDEO3 ・OFF: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power is switched on. Selection: Any channel number or “-” “-” means the channel when turns off.
Volume	Adjust the volume when each time power is switched on. Range: 0 to 63
Vol. Max	Adjust maximum volume. Range: 0 to 63
OSD Ctrl	Restrict the OSD. Selection: OFF/Pattern1 ・OFF: No restriction ・PATTERN1: restriction
FP Ctrl	Select flont key conditions. Selection: OFF/Pattern1/All ・OFF: altogether valid. ・Pattern: only input key is valid. ・All: altogether invalid.
Pow Ctrl	Select POWER-ON/OFF condition when AC power cord is disconnected and then connected. OFF: The same condition when AC power cord is disconnected. ON: Forced power ON condition.

13 Conduct Views

13.1. P-Board

P-BOARD (FOIL SIDE)
ETXMM610MEF


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
P2
P11
COLD
Vsus
Discharge
CUTTING PLIERS
P12
P5
P23
P10
P25
LIVE CIRCUIT
HOT
CAUTION
ETXMM610MEF
NPX610ME-1
P9
TH-50PX60U
P-BOARD ETXMM610MEF
TH-50PX60U
P-BOARD ETXMM610MEF



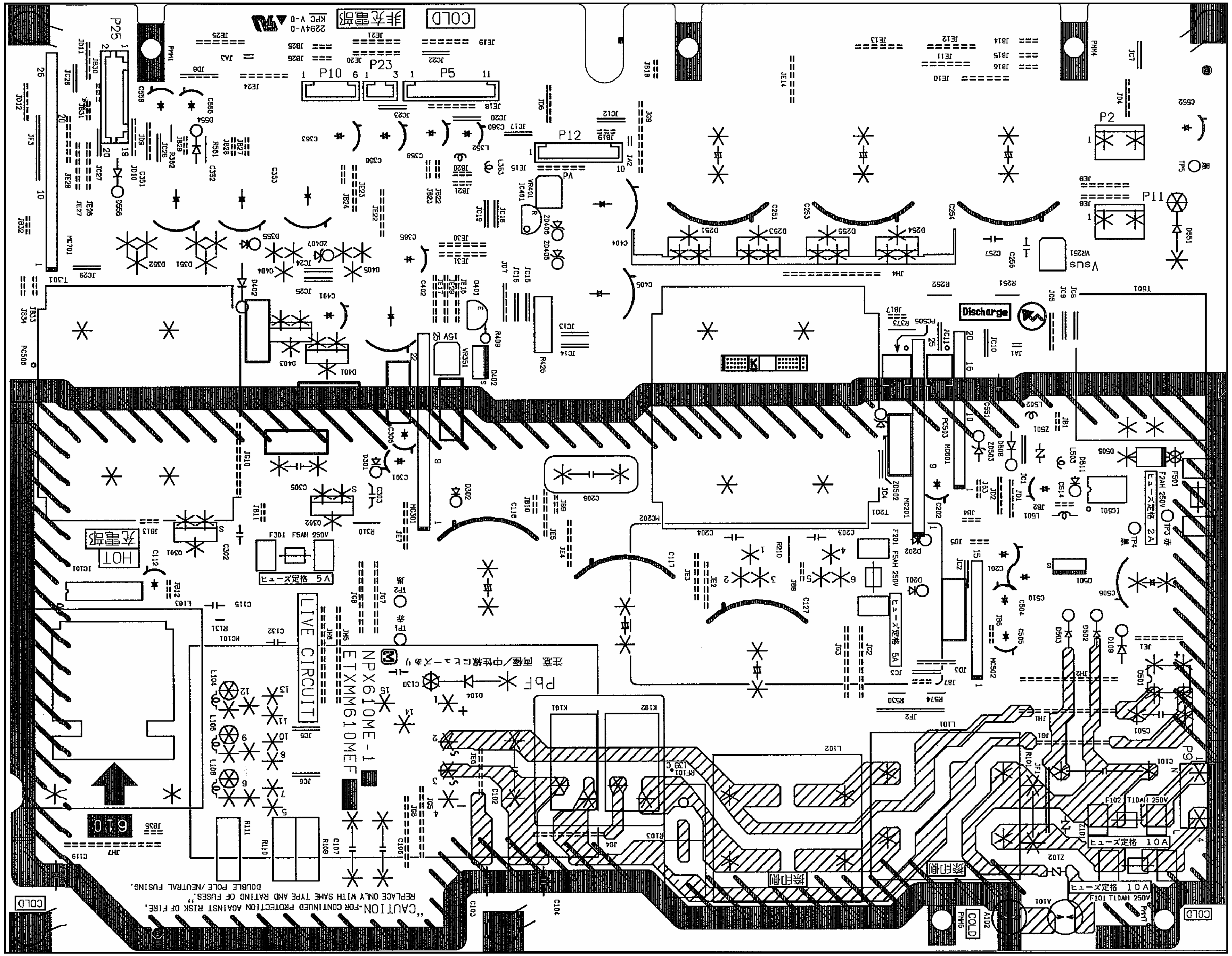
Parts Location

P-BOARD (FOIL SIDE)			
IC		**PHOTO COUPLER**	
IC101	H-3	PC503	C-4
IC401	F-5	PC505	C-4
IC501	B-3		
MOJULE		**VOLUME**	
MC201	C-3	VR251	C-5
MC301	F-3	VR351	F-4
MC502	C-2	VR401	E-5
MC601	C-4		
MC701	H-5		

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		**TP**		**VOLUME**	
IC101	B-3	PC503	G-4	VR251	H-5
IC401	E-5	PC505	G-4	VR351	D-4
IC501	H-3			VR401	E-5
MOJULE		**TRANSISTOR**			
MC201	G-3	Q301	C-3		
MC301	D-3	Q302	C-3		
MC502	G-2	Q401	E-5		
MC601	G-4	Q402	D-4		
MC701	B-5	Q501	H-3		

P-BOARD (COMPONENT SIDE)
ETXMM610MEF


P25
P10
P23
P5
P12
P2
P11
P9
COLD
HOT
LIVE CIRCUIT
NPX610ME-1
ETXMM610MEF
PbF
Discharge
Vsus
F301 F5AH 250V
F201 F5AH 250V
F501 F2AH 250V
F102 T10AH 250V
F101 T10AH 250V
"CAUTION-FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSES."
DOUBLE POLE /NEUTRAL FUSING.
610
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

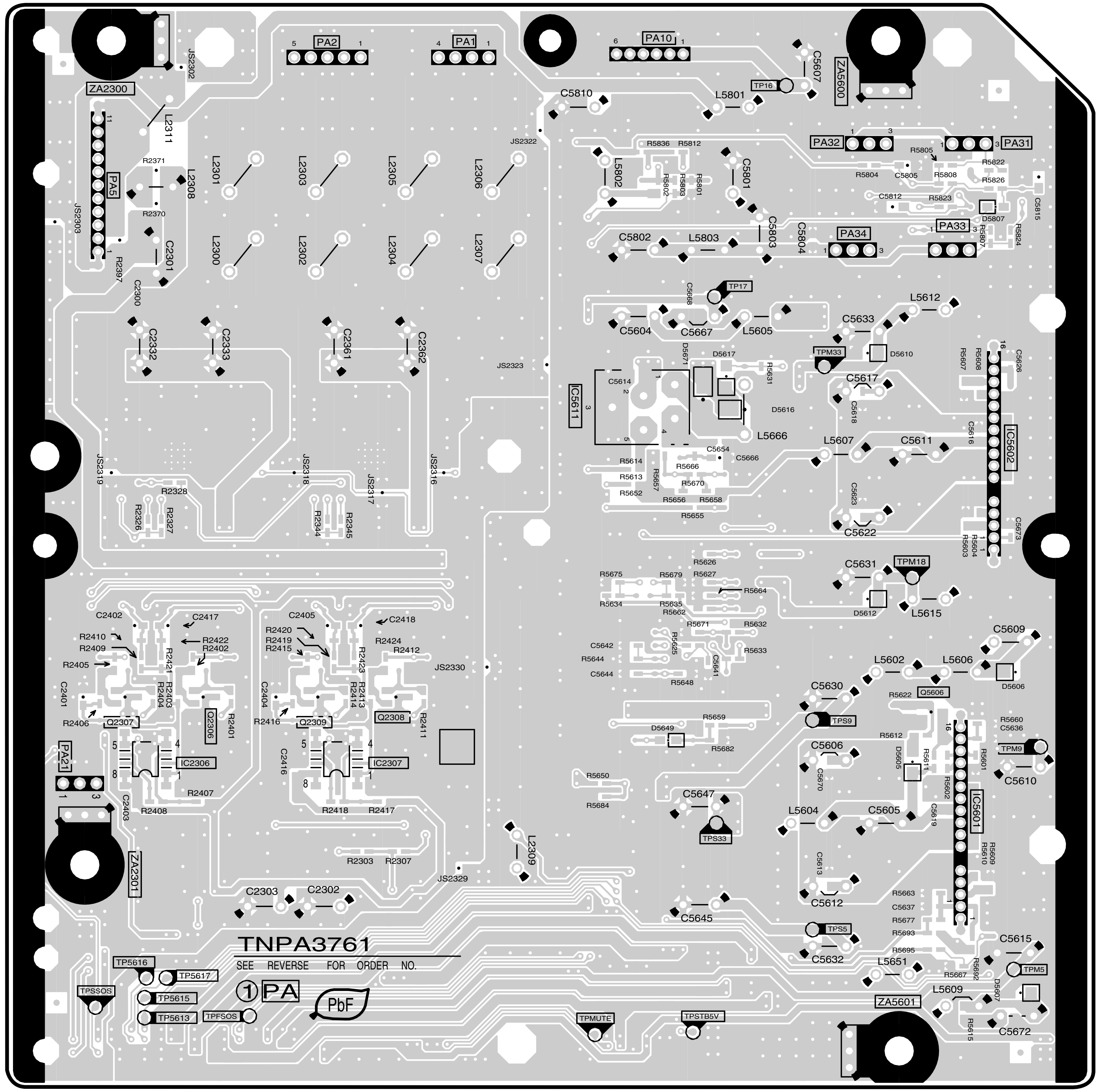
TH-50PX60U
P-BOARD ETXMM610MEF

TH-50PX60U
P-BOARD ETXMM610MEF

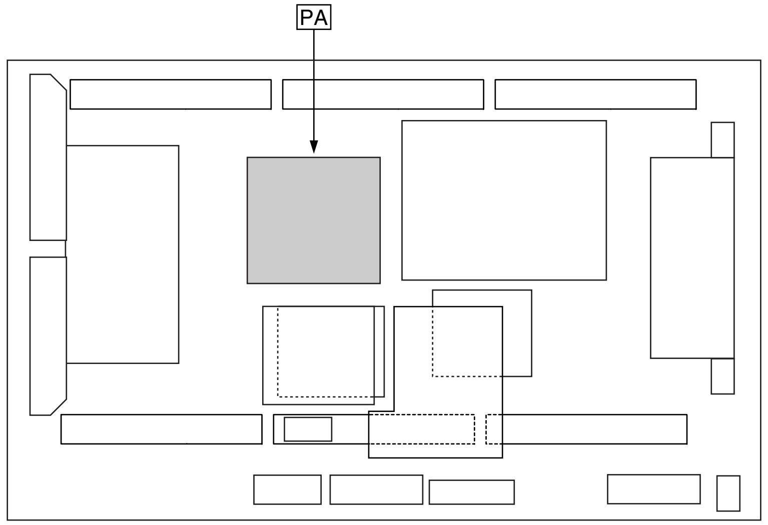
13.2. PA-Board

PA-BOARD (FOIL SIDE)
TXNPA1BJTUJ

6
5
4
3
2
1


PA2
PA1
PA10
ZA2300
ZA5600
PA5
PA32
PA31
PA34
PA33
PA21
ZA2301
ZA5601
L2311
L2308
L2301
L2303
L2305
L2306
L2300
L2302
L2304
L2307
L2309
C2301
C2332
C2333
C2361
C2362
C5810
L5801
L5802
C5801
C5802
L5803
C5803
C5804
C5607
TP16
TP17
C5604
C5667
L5605
C5633
L5612
IC5611
L5666
C5617
L5607
C5611
IC5602
C5622
C5631
TPM18
L5615
C5609
L5602
L5606
C5630
Q5606
C5606
TPS9
TPM9
C5610
IC5601
C5647
TPS33
L5604
C5605
C5612
C5645
TPS5
C5615
TPM5
C5632
L5651
L5609
C5672
Q2307
Q2306
IC2306
Q2309
Q2308
IC2307
C2303
C2302
TNPA3761
SEE REVERSE FOR ORDER NO.
①PA
PbF
TP5616
TP5617
TP5615
TP5613
TPSSOS
TPFSOS
TPMUTE
TPSTB5V

TH-50PX60U
PA-BOARD TXNPA1BJTUJ



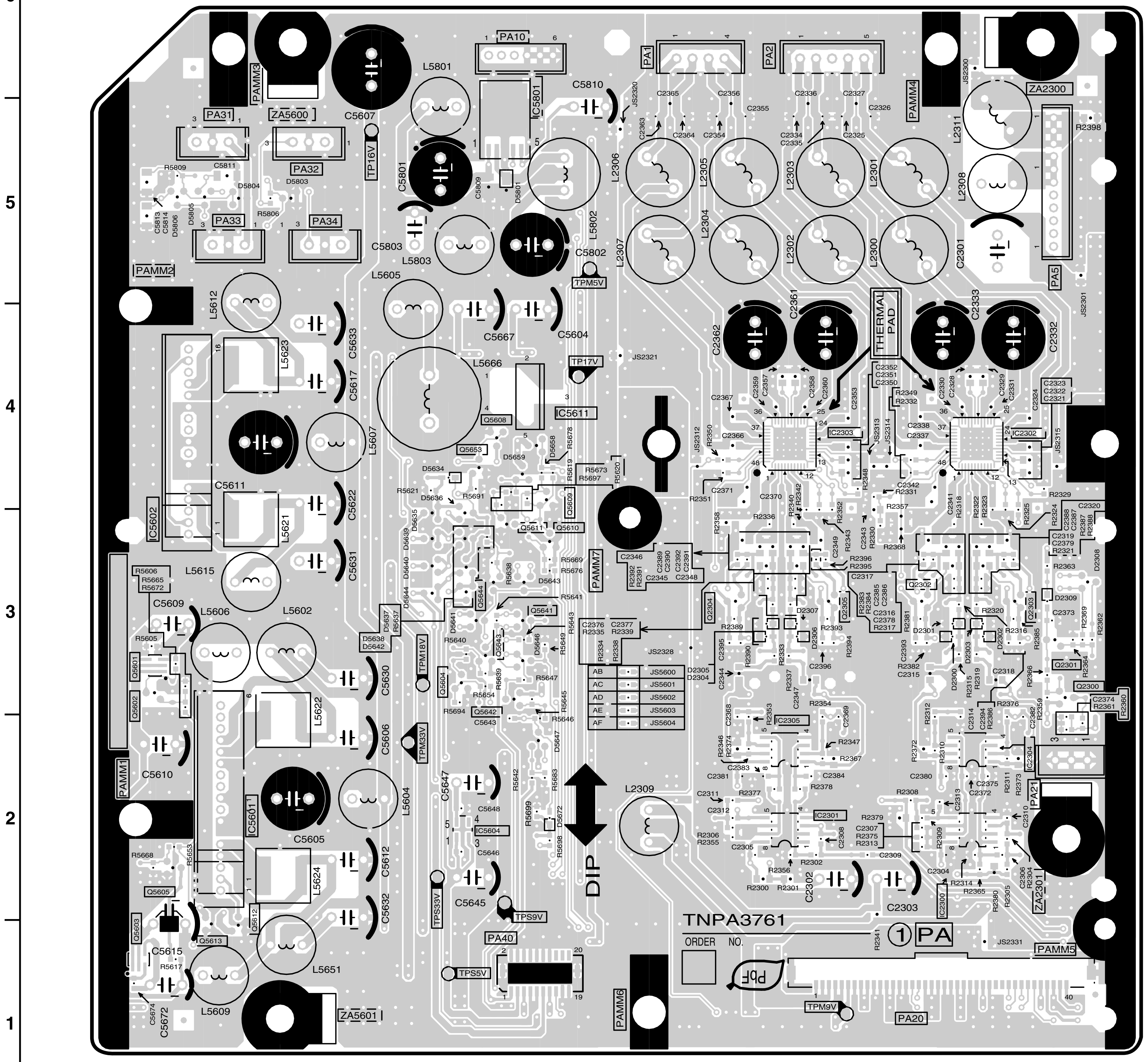
TH-50PX60U
PA-BOARD TXNPA1BJTUJ

A B C D E F G H I

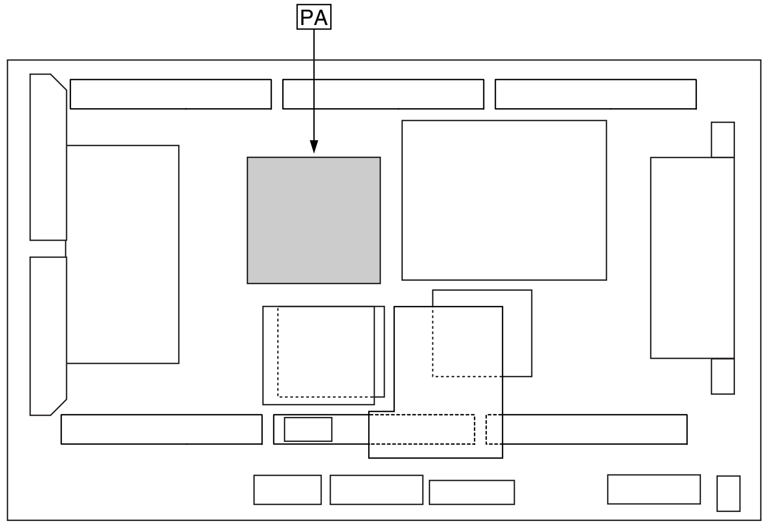
Parts Location

PA-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC2306	B-2	Q2306	B-3
IC2307	C-2	Q2307	A-2
IC5601	E-2	Q2308	C-3
IC5602	F-4	Q2309	B-3
IC5611	D-4	Q5606	E-3

PA-BOARD (COMPONENT SIDE)
TXNPA1BJTUJ


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
PA10
PA1
PA2
PAMM3
PAMM4
ZA2300
PA31
ZA5600
PA32
PA33
PA34
PAMM2
L5801
C5810
IC5801
C5607
TP16V
C5801
L5802
C5802
C5803
L5803
L5605
TPM5V
L5612
L5623
C5633
C5617
C5667
C5604
TP17V
L5666
Q5608
IC5611
L5607
C5611
C5622
C5602
L5621
C5631
L5615
C5609
L5606
L5602
Q5601
Q5602
C5630
TPM18V
C5606
L5622
TPM33V
PAMM1
C5610
IC5601
C5605
L5604
C5647
IC5604
C5612
C5632
L5624
TPS33V
C5645
TPS9V
PA40
TPS5V
Q5605
Q5603
C5615
Q5613
L5651
L5609
C5672
ZA5601
PAMM6
PAMM7
L2309
DIP
TNPA3761
ORDER NO.
PA
PA20
TPM9V
PAMM5
ZA2301
PA21
L2306
L2305
L2303
L2301
L2311
L2308
L2307
L2304
L2302
L2300
L2301
C2362
C2361
THERMAL PAD
C2333
C2332
PA5
IC2303
IC2302
IC2305
IC2301
IC2304
C2302
C2303
JS5600
JS5601
JS5602
JS5603
JS5604
AB
AC
AD
AE
AF

PA



TH-50PX60U
PA-BOARD TXNPA1BJTUJ

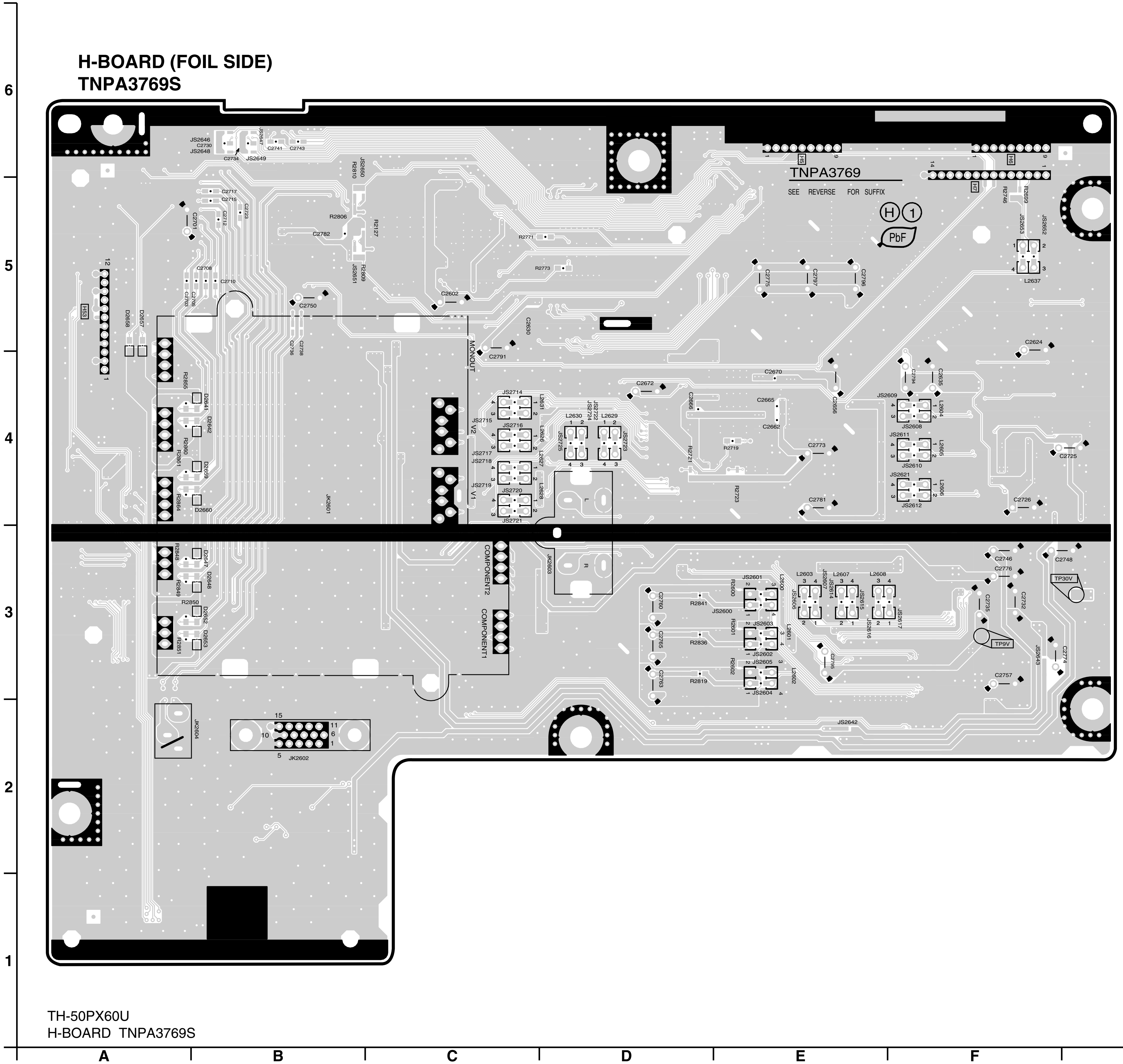
TH-50PX60U
PA-BOARD TXNPA1BJTUJ

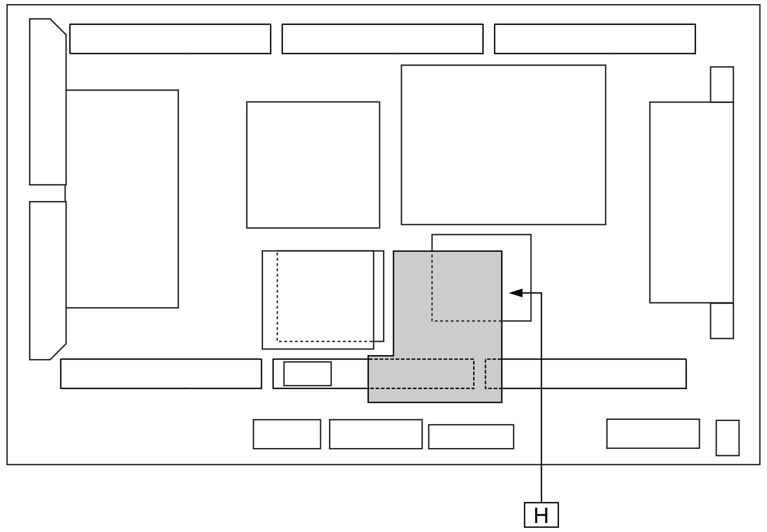
Parts Location

PA-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC2300	E-2	Q2300	F-3
IC2301	D-2	Q2301	F-3
IC2302	E-4	Q2303	E-3
IC2303	E-4	Q2304	D-3
IC2304	E-2	Q2305	E-3
IC2305	D-3	Q5601	A-3
IC5601	B-2	Q5602	A-3
IC5602	A-3	Q5603	A-1
IC5604	C-2	Q5604	C-3
IC5611	C-4	Q5605	A-2
IC5801	C-5	Q5608	C-4
		Q5609	C-4
		Q5610	C-3
		Q5612	B-1
		Q5613	A-1
		Q5641	C-3
		Q5642	C-3
		Q5643	C-3
		Q5644	C-3
		Q5653	C-4

13.3. H-Board

H-BOARD (FOIL SIDE)
TNPA3769S


TNPA3769
SEE REVERSE FOR SUFFIX
H 1
PbF
MONOUT
V2
V1
COMPONENT2
COMPONENT1
JK2601
JK2602
JK2603
JK2604
TP9V
TP30V
1
2
3
4
5
6
A
B
C
D
E
F
G
H
I



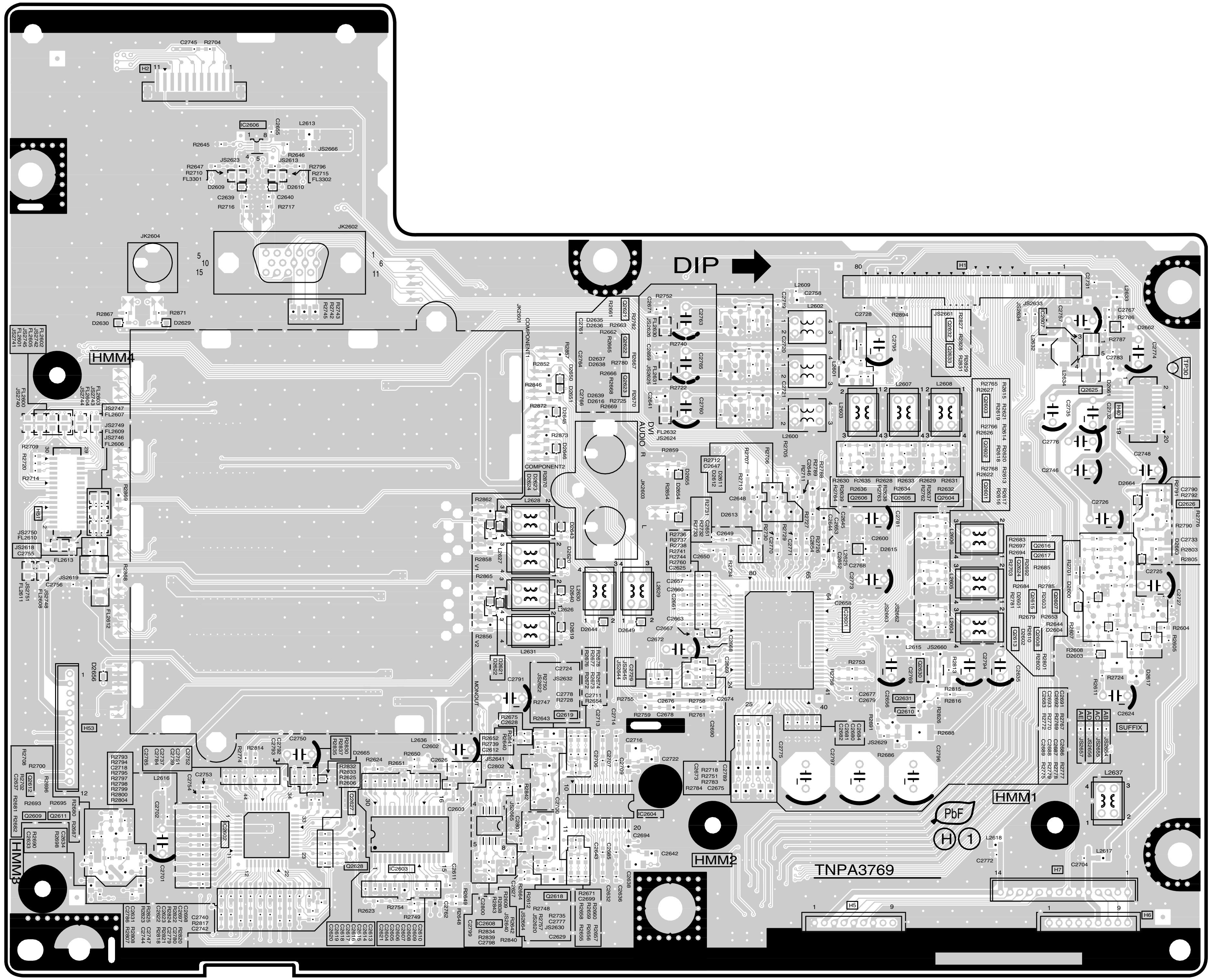
Parts Location

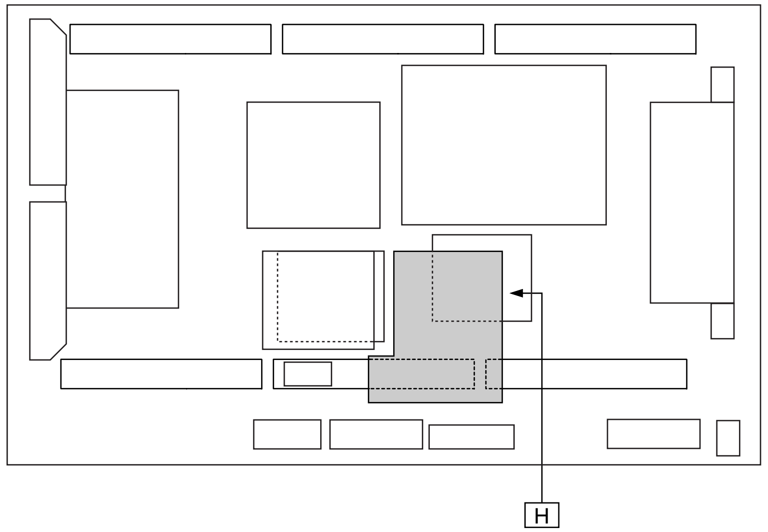
H-BOARD (FOIL SIDE)	
TP	
TP9V TP30V	F-3 G-3

TH-50PX60U
H-BOARD TNPA3769S

TH-50PX60U
H-BOARD TNPA3769S

H-BOARD (COMPONENT SIDE)
TNPA3769S


DIP
HMM1
HMM2
HMM3
HMM4
TNPA3769
PbF
H 1
COMPONENT1
COMPONENT2
AUDIO R
DVI
SUFFIX
JK2601
JK2602
JK2604
IC2601
IC2602
IC2603
IC2604
IC2606
TP30
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I



Parts Location

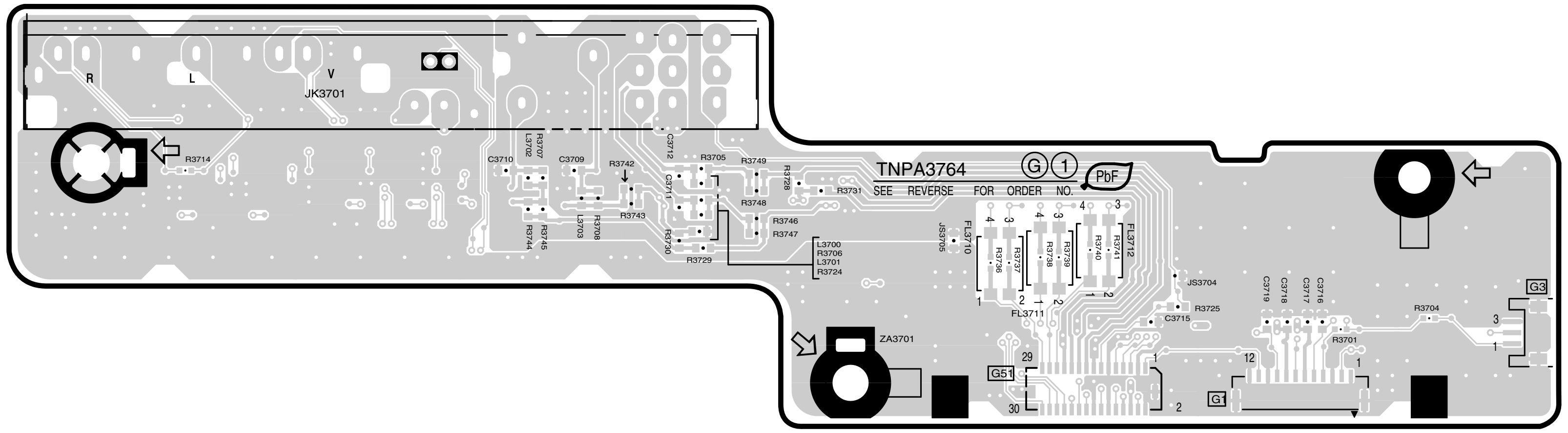
H-BOARD (COMPONENT SIDE)			
IC		Q2616	F-3
IC2601	E-3	Q2617	F-3
IC2602	B-2	Q2618	C-1
IC2603	C-2	Q2619	D-2
IC2604	D-2	Q2621	D-4
IC2606	B-5	Q2622	D-4
IC2607	F-4	Q2623	D-4
IC2608	C-2	Q2624	F-3
TRANSISTOR		Q2625	F-4
Q2601	F-3	Q2626	G-3
Q2602	F-4	Q2627	B-2
Q2603	F-4	Q2628	B-2
Q2604	E-4	Q2630	E-3
Q2605	E-3	Q2631	E-2
Q2606	E-3	Q2632	E-4
Q2607	E-3	Q2633	E-4
Q2608	E-3	**TP**	
Q2609	A-2	TP30	G-4
Q2610	E-2		
Q2611	A-2		
Q2612	A-2		
Q2613	F-3		
Q2615	F-3		

TH-50PX60U
H-BOARD TNPA3769S

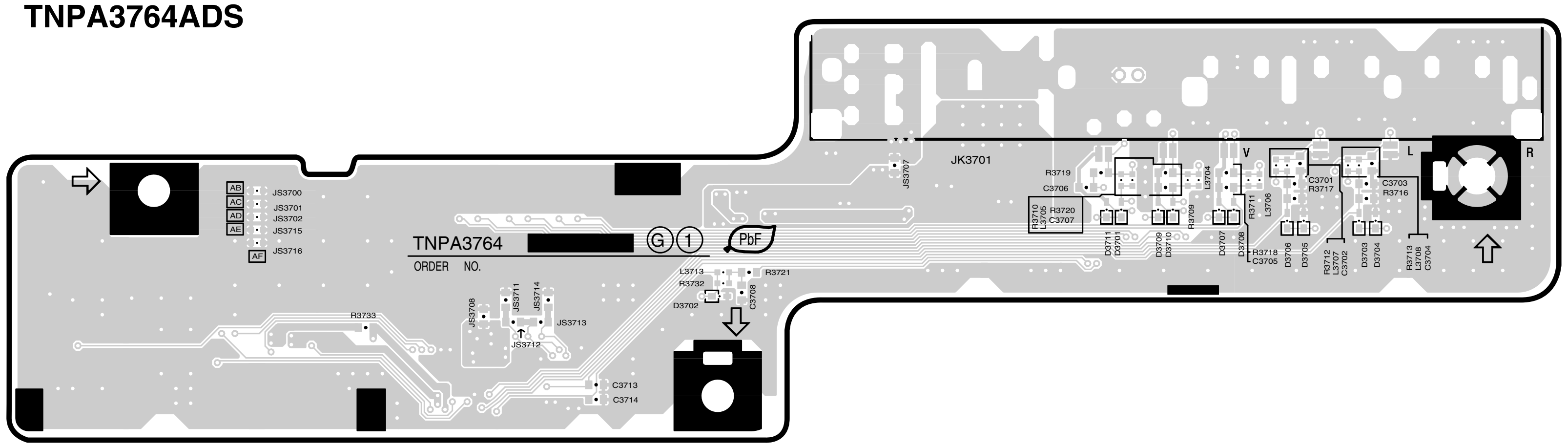
TH-50PX60U
H-BOARD TNPA3769S

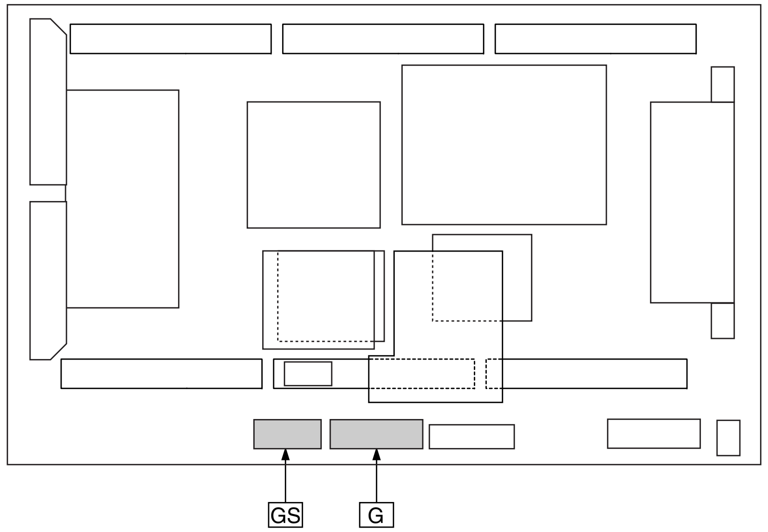
13.4. G and GS-Board

G-BOARD (FOIL SIDE)
TNPA3764ADS

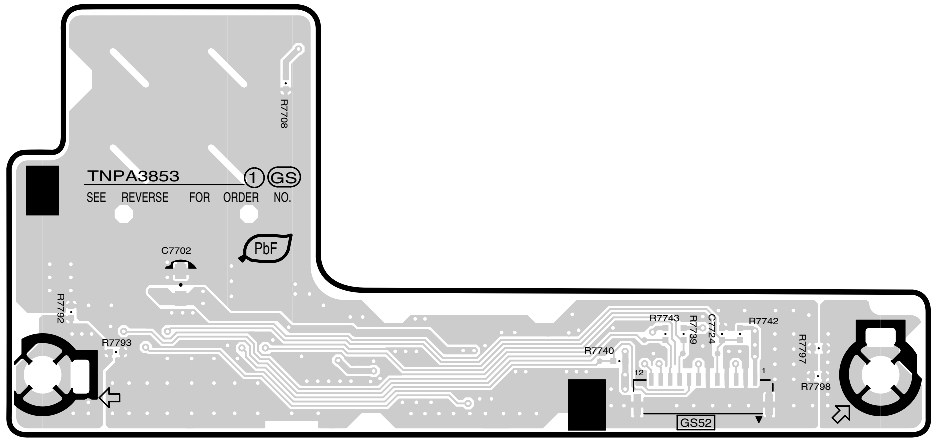

JK3701
R
L
V
TNPA3764
G
1
SEE REVERSE FOR ORDER NO.
PbF
R3714
C3710
C3709
R3742
R3743
R3705
R3749
R3748
R3746
R3747
R3729
R3731
L3700
R3706
L3701
R3724
FL3710
FL3711
FL3712
JS3704
R3725
C3715
ZA3701
G51
G1
G3
R3704
R3701

G-BOARD (COMPONENT SIDE)
TNPA3764ADS

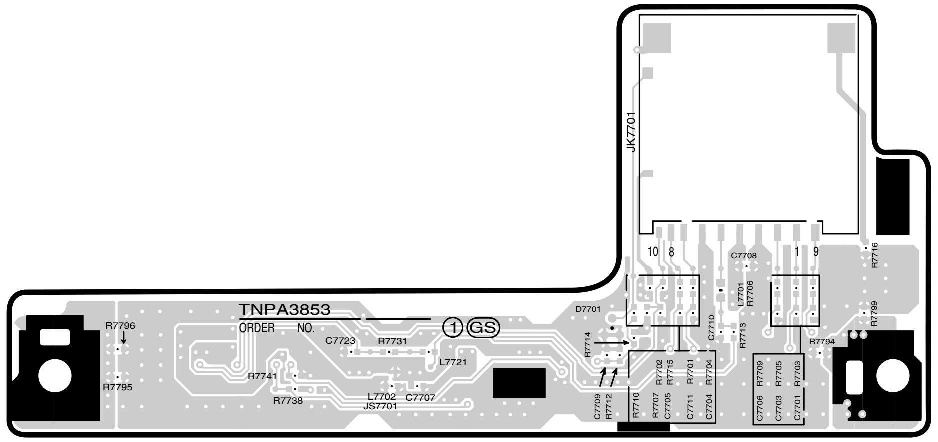

JK3701
TNPA3764
ORDER NO.
G
1
PbF
JS3700
JS3701
JS3702
JS3715
JS3716
R3733
JS3713
JS3712
L3713
R3732
D3702
R3721
C3713
C3714
R3719
C3706
R3720
C3707
C3701
R3717
C3703
R3716
R3718
C3705
V
L
R



GS-BOARD (FOIL SIDE)
TNPA3853ABS


TNPA3853
1
GS
SEE REVERSE FOR ORDER NO.
PbF
C7702
R7708
R7792
R7793
R7740
R7743
R7739
C7724
R7742
R7797
R7798
GS52
12
1

GS-BOARD (COMPONENT SIDE)
TNPA3853ABS

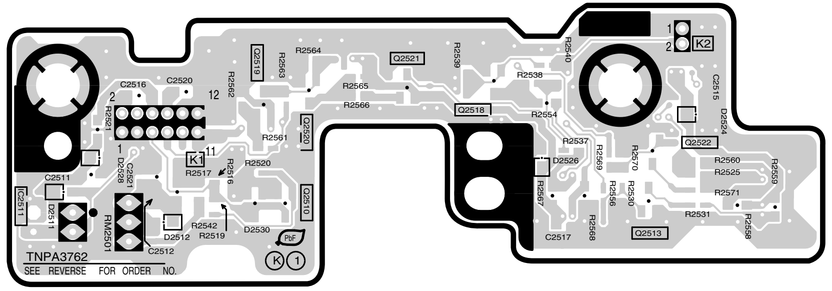

JK7701
TNPA3853
ORDER NO.
1
GS
R7796
R7795
C7723
R7731
R7741
R7738
L7721
L7702
C7707
JS7701
D7701
C7708
10
8
1
9
R7714
R7716
R7799
R7794

TH-50PX60U
G-BOARD TNPA3764ADS
GS-BOARD TNPA3853ABS

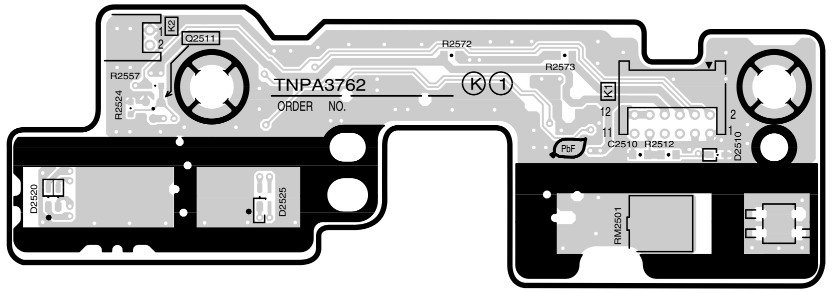
TH-50PX60U
G-BOARD TNPA3764ADS
GS-BOARD TNPA3853ABS

13.5. GK, HC, K and S-Board

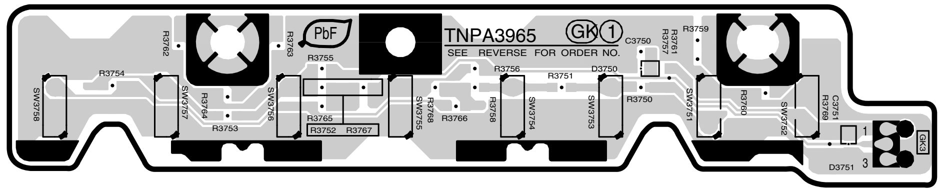
K-BOARD (FOIL SIDE)
TNPA3762AGS


TNPA3762
SEE REVERSE FOR ORDER NO.
K1
K2
Q2519
Q2521
Q2518
Q2520
Q2510
Q2522
Q2513
R2564
R2565
R2566
R2561
R2520
R2517
R2542
R2519
D2512
D2530
D2526
C2516
C2520
C2511
C2512
C2517
RM2501
R2536
R2537
R2560
R2525
R2571
R2531
PbF
K ①

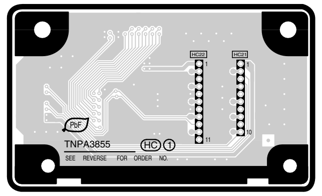
K-BOARD (COMPONENT SIDE)
TNPA3762AGS


TNPA3762
ORDER NO.
K ①
Q2511
R2557
R2524
R2572
R2573
K1
C2510
R2512
D2510
D2520
D2525
RM2501
PbF

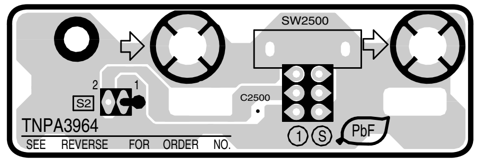
GK-BOARD (FOIL SIDE)
TNPA3965ACS


TNPA3965
GK ①
SEE REVERSE FOR ORDER NO.
PbF
R3754
R3755
R3756
R3751
R3753
R3765
R3752
R3767
R3766
R3750
R3759
C3750
D3750
D3751
SW3758
SW3757
SW3756
SW3755
SW3754
SW3753
SW3752
SW3751

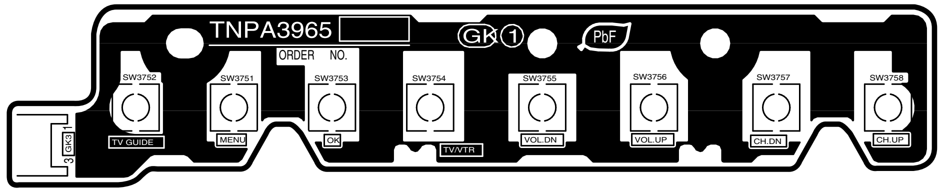
HC-BOARD (FOIL SIDE)
TNPA3855S


TNPA3855
HC ①
SEE REVERSE FOR ORDER NO.
PbF

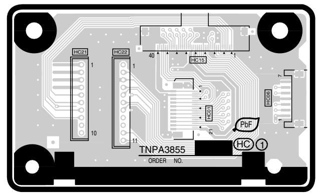
S-BOARD (FOIL SIDE)
TNPA3964ABS


SW2500
S2
C2500
TNPA3964
SEE REVERSE FOR ORDER NO.
① S
PbF

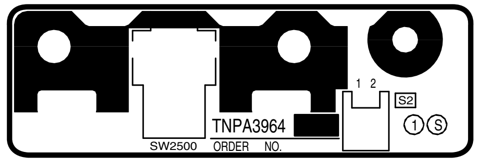
GK-BOARD (COMPONENT SIDE)
TNPA3965ACS

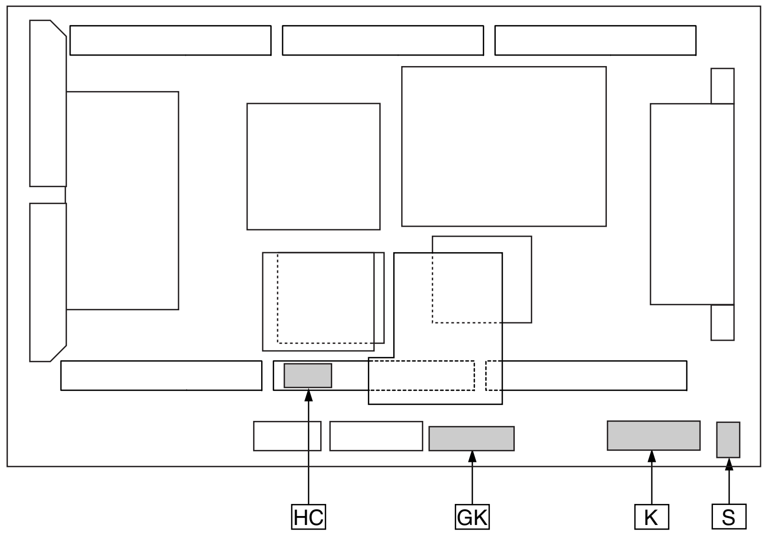

TNPA3965
GK ①
PbF
ORDER NO.
SW3752
SW3751
SW3753
SW3754
SW3755
SW3756
SW3757
SW3758
TV GUIDE
MENU
OK
TV/VTR
VOL.DN
VOL.UP
CH.DN
CH.UP
GK3

HC-BOARD (COMPONENT SIDE)
TNPA3855S


TNPA3855
ORDER NO.
HC ①
PbF

S-BOARD (COMPONENT SIDE)
TNPA3964ABS


S2
TNPA3964
SW2500
ORDER NO.
① S

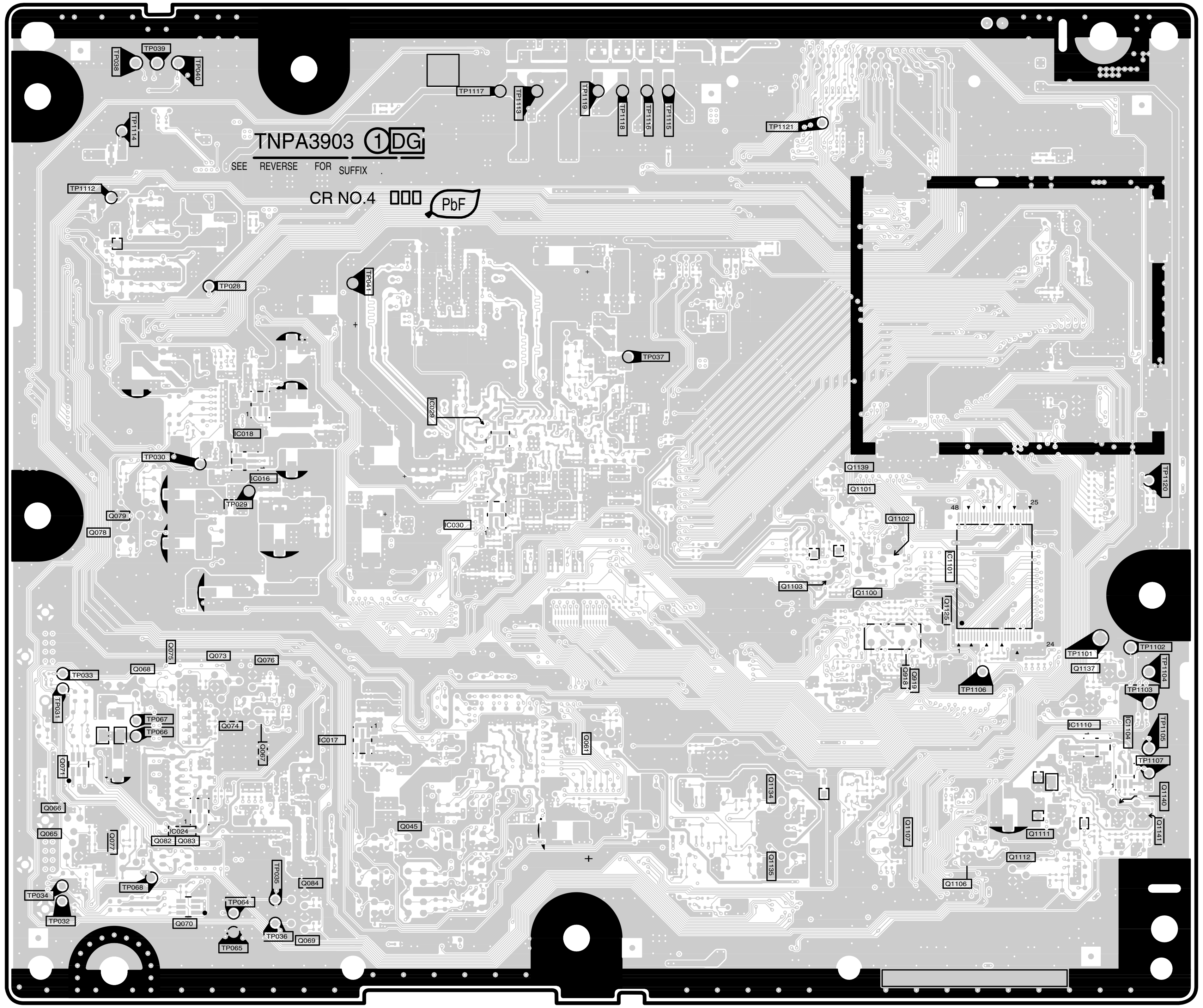


TH-50PX60U
GK-BOARD TNPA3965ACS
HC-BOARD TNPA3855S
K-BOARD TNPA3762AGS
S-BOARD TNPA3964ABS

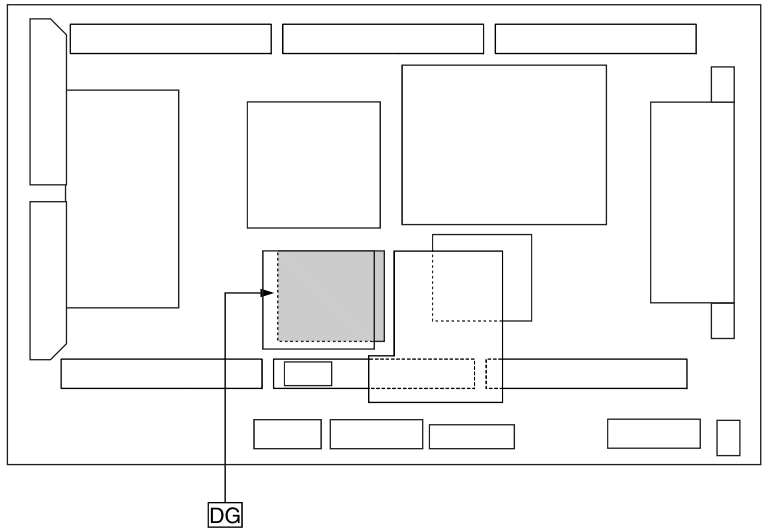
TH-50PX60U
GK-BOARD TNPA3965ACS
HC-BOARD TNPA3855S
K-BOARD TNPA3762AGS
S-BOARD TNPA3964ABS

13.6. DG-Board

DG-BOARD (FOIL SIDE)
TNPA3903BCS



TH-50PX60U
DG-BOARD TNPA3903BCS

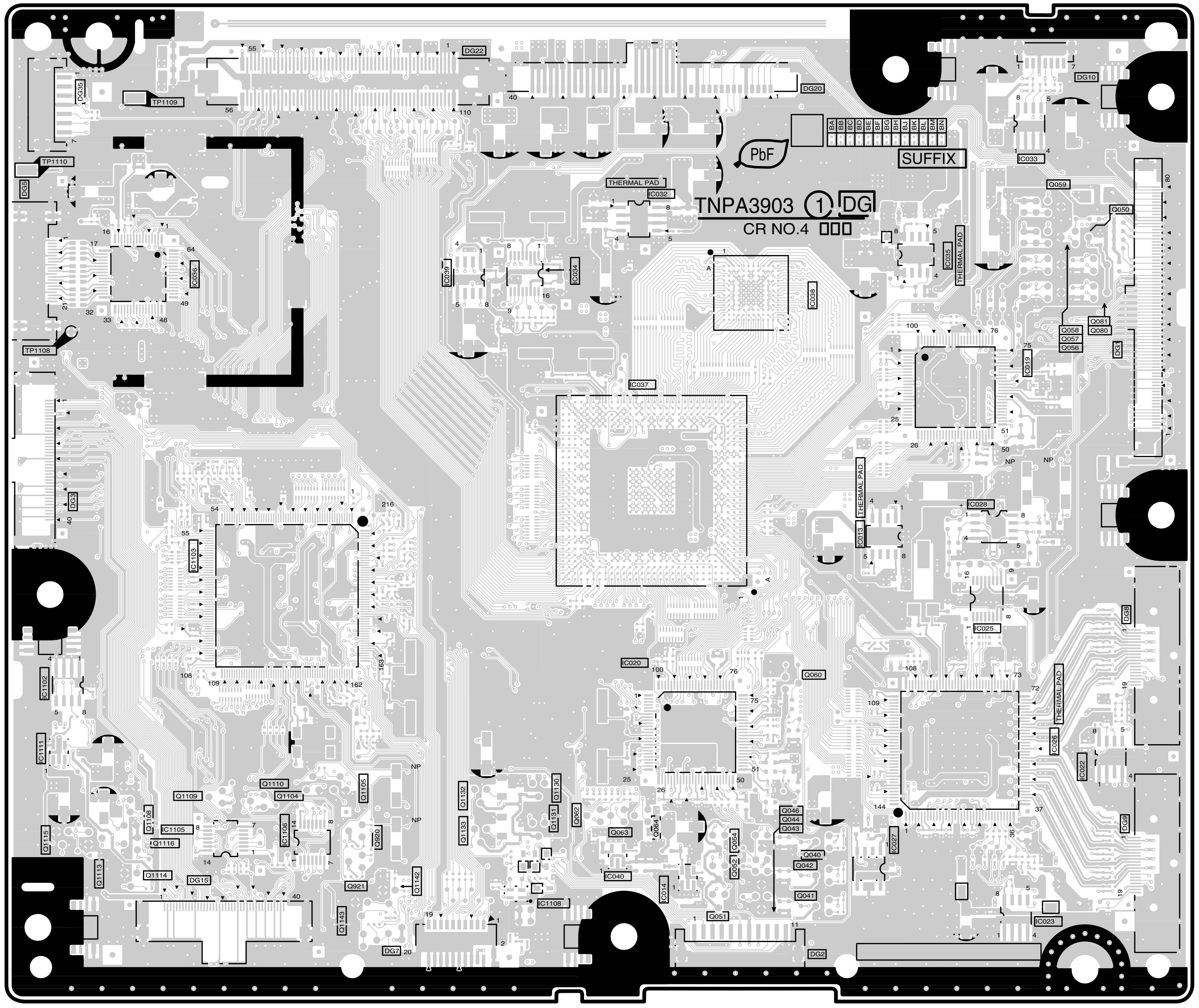


TH-50PX60U
DG-BOARD TNPA3903BCS

Parts Location

DG-BOARD (FOIL SIDE)					
IC		TRANSISTOR		TP	
IC1101	E-3	Q1100	E-3	TP1101	F-3
IC1104	F-2	Q1101	E-3	TP1102	F-3
IC1110	F-2	Q1102	E-3	TP1103	F-2
IC4016	B-3	Q1103	E-3	TP1104	F-3
IC4017	B-2	Q1106	E-2	TP1105	F-2
IC4018	B-4	Q1107	E-2	TP1106	F-2
IC4024	B-2	Q1111	F-2	TP1107	F-2
IC4029	C-4	Q1112	F-2	TP1112	A-5
IC4030	C-3	Q1125	E-3	TP1113	C-5
		Q1134	D-2	TP1114	A-5
		Q1135	D-2	TP1115	D-5
		Q1137	F-3	TP1116	D-5
		Q1139	E-4	TP1117	C-5
		Q1140	F-2	TP1118	D-5
		Q1141	F-2	TP1119	D-5
		Q4045	C-2	TP1120	F-3
		Q4061	D-2	TP1121	D-5
		Q4065	A-2	TP4028	B-4
		Q4066	A-2	TP4029	B-3
		Q4067	B-2	TP4030	B-4
		Q4068	A-3	TP4031	A-2
		Q4069	B-1	TP4032	A-1
		Q4070	B-1	TP4033	A-3
		Q4071	A-2	TP4034	A-1
		Q4073	B-3	TP4035	B-2
		Q4074	B-2	TP4036	B-1
		Q4075	A-2	TP4037	D-4
		Q4076	B-3	TP4038	A-5
		Q4077	A-2	TP4039	B-5
		Q4078	A-3	TP4040	B-5
		Q4079	A-3	TP4041	C-4
		Q4082	B-2	TP4064	B-1
		Q4083	B-2	TP4065	B-1
		Q4084	B-2	TP4066	B-2
		Q4918	E-3	TP4067	B-2
		Q4919	E-3	TP4068	A-2

DG-BOARD (COMPONENT SIDE)
TNPA3903BCS


TNPA3903 ① DG
CR NO.4
SUFFIX
PbF
THERMAL PAD
BA BB BC BD BE BF BG BH BJ BK BL BM BN
DG22
DG20
DG10
DG3
DG9
DG1
DG8
DG6
DG15
DG7
DG2
TP1109
TP1110
TP1108
IC032
IC037
IC033
IC029
IC034
IC039
IC035
IC036
IC013
IC028
IC025
IC020
IC1103
IC1102
IC1111
IC1105
IC1106
IC1108
IC014
IC027
IC026
IC022
IC023
Q059
Q050
Q058
Q057
Q056
Q081
Q080
Q019
Q060
Q1109
Q1110
Q1104
Q1105
Q1108
Q1116
Q1115
Q1114
Q1113
Q1130
Q1131
Q1132
Q1133
Q1142
Q1143
Q921
Q920
Q062
Q063
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Q052
Q051
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Q044
Q043
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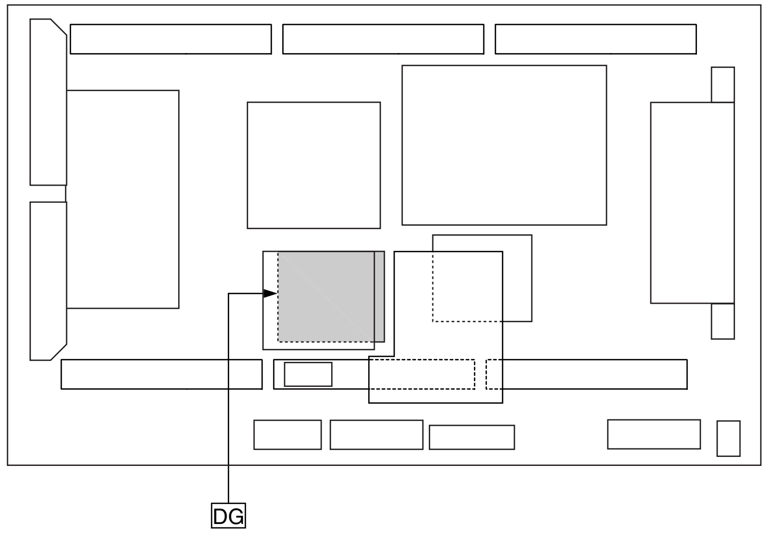
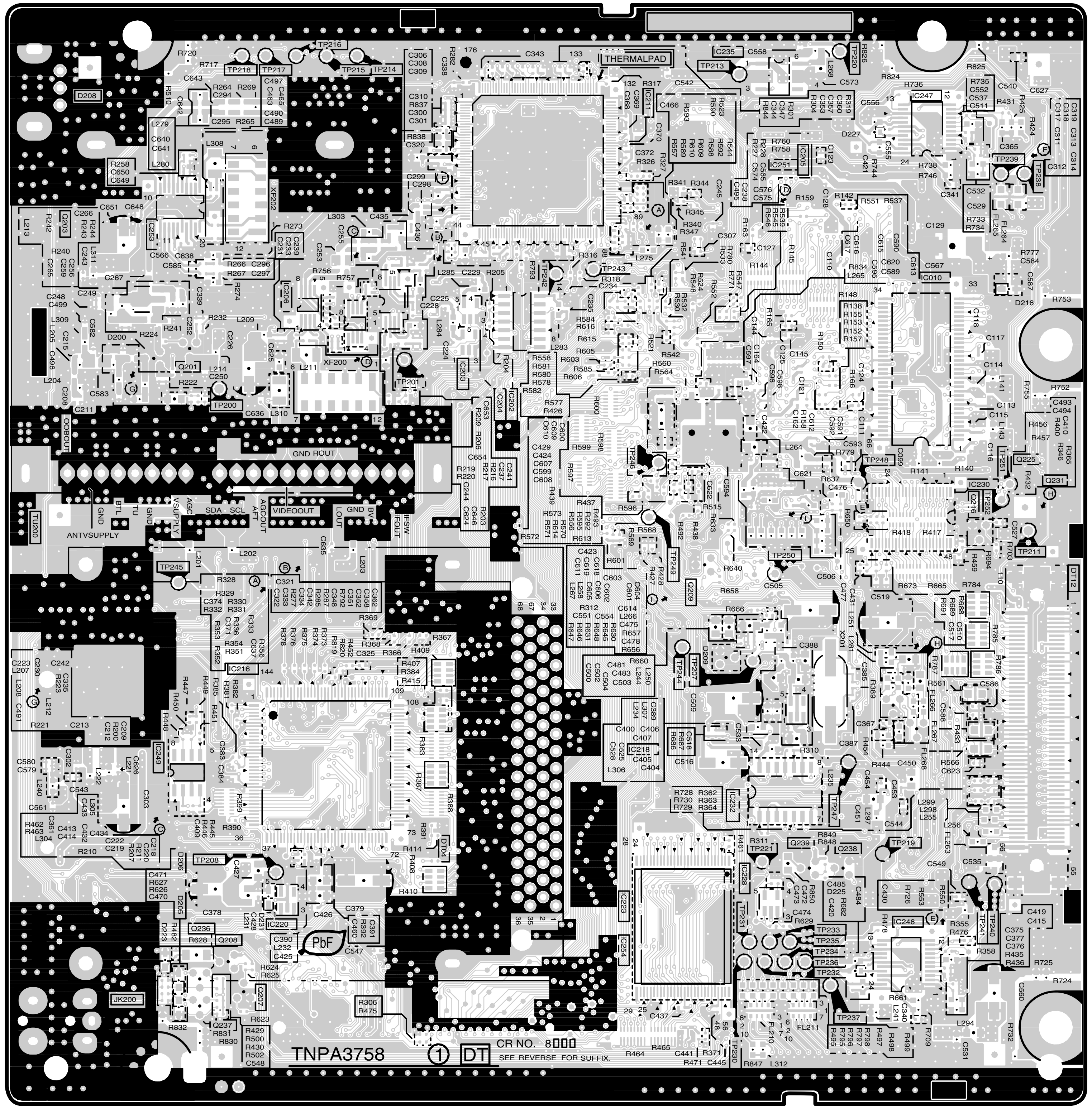


Parts Location

DG-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		**TP**	
IC1102	A-2	Q1104	B-2	TP1108	A-4
IC1103	B-3	Q1105	C-2	TP1109	B-5
IC1105	B-2	Q1108	B-2	TP1110	A-5
IC1106	B-2	Q1109	B-2		
IC1108	C-1	Q1110	B-2		
IC1111	A-2	Q1113	A-2		
IC4013	E-3	Q1114	B-2		
IC4014	D-1	Q1115	A-2		
IC4019	F-4	Q1116	B-2		
IC4020	D-3	Q1130	C-2		
IC4022	F-2	Q1131	C-2		
IC4023	F-2	Q1132	C-2		
IC4025	E-3	Q1133	C-2		
IC4026	F-2	Q1142	C-2		
IC4027	E-2	Q1143	B-1		
IC4028	E-3	Q4040	E-2		
IC4032	D-5	Q4041	E-1		
IC4033	F-5	Q4042	E-2		
IC4034	D-4	Q4043	E-2		
IC4035	E-5	Q4044	E-2		
IC4036	B-4	Q4046	E-2		
IC4037	D-4	Q4050	F-5		
IC4038	E-4	Q4051	D-1		
IC4039	C-4	Q4052	D-2		
IC4040	D-2	Q4054	D-2		
		Q4056	F-4		
		Q4057	F-4		
		Q4058	F-4		
		Q4059	F-5		
		Q4060	E-3		
		Q4080	F-4		
		Q4081	F-4		
		Q4920	C-2		
		Q4921	B-2		

13.7. DT-Board

DT-BOARD (FOIL SIDE)
TNAG167S


TNPA3758
① DT
CR NO. 8
SEE REVERSE FOR SUFFIX.
THERMALPAD
GND ROUT
VIDEOOUT
PbF
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G
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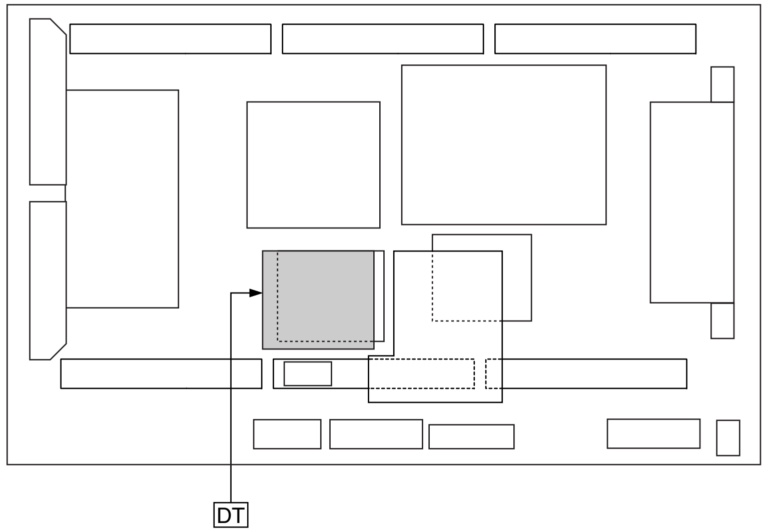
I



Parts Location

DT-BOARD (FOIL SIDE)

IC

IC8202	C-4
IC8203	C-4
IC8204	C-4
IC8205	E-5
IC8206	B-5
IC8211	D-6
IC8216	B-3
IC8218	D-3
IC8220	B-2
IC8223	D-2
IC8228	D-2
IC8230	E-4
IC8232	D-2
IC8235	D-6
IC8246	E-2
IC8247	E-6
IC8249	B-3
IC8251	D-5
IC8253	B-5
IC8254	D-2
IC8010	E-5

TRANSISTOR

Q8201	B-4
Q8203	A-5
Q8207	B-1
Q8208	B-2
Q8209	D-3
Q8216	E-4
Q8225	F-4
Q8231	F-4
Q8236	B-2
Q8237	B-1
Q8238	E-2
Q8239	E-2

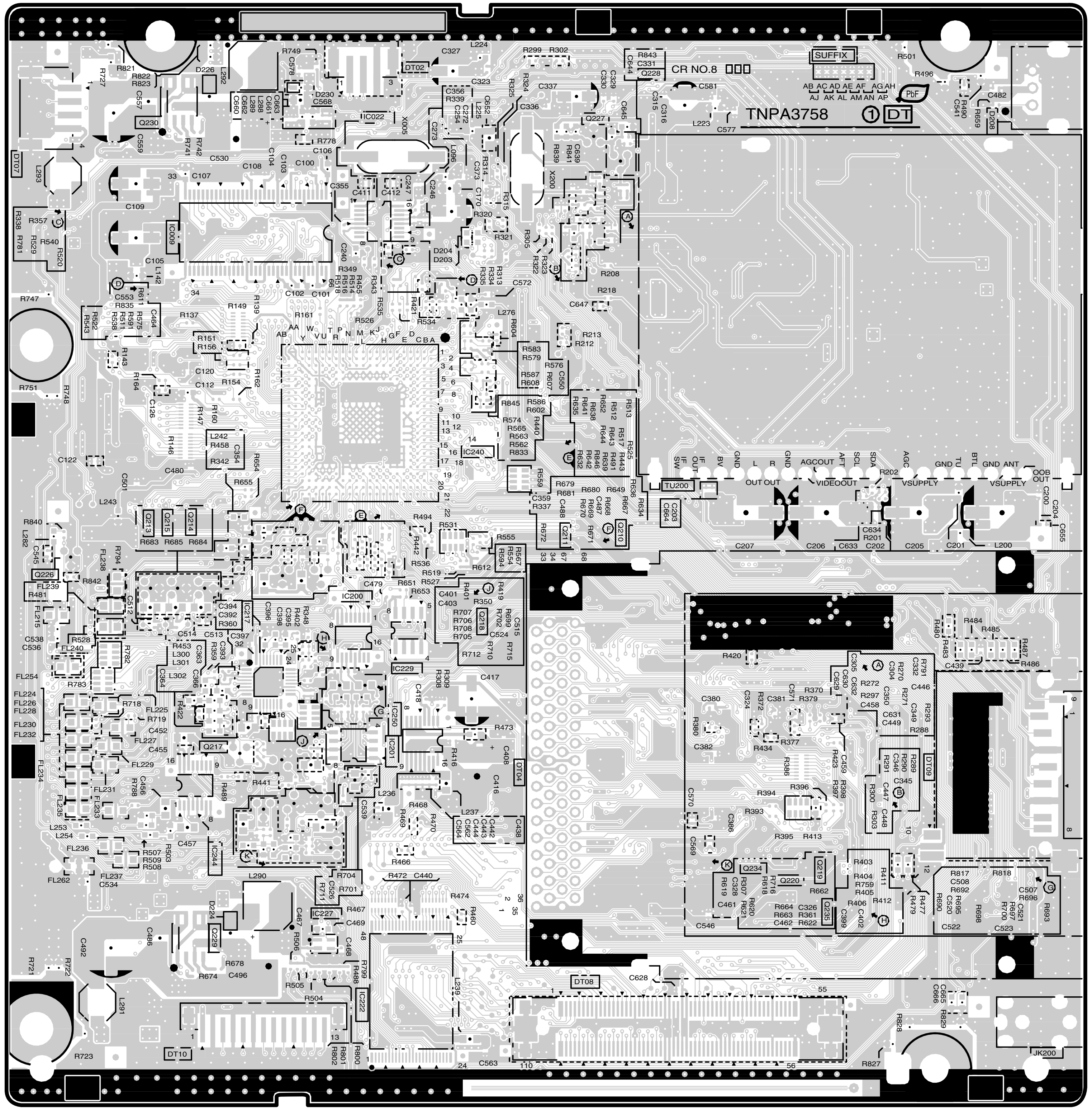
TP

TP8200	B-4
TP8201	C-4
TP8207	D-3
TP8208	B-2
TP8211	F-4
TP8213	D-6
TP8214	C-6
TP8215	B-6
TP8216	B-6
TP8217	B-6
TP8218	B-6
TP8219	E-2
TP8220	E-6
TP8221	D-2
TP8230	D-1
TP8231	D-2
TP8232	E-2
TP8233	E-2
TP8234	E-2
TP8235	E-2
TP8236	E-2
TP8237	E-2
TP8238	F-5
TP8239	E-5
TP8240	E-2
TP8241	E-2
TP8242	C-5
TP8243	D-5
TP8244	D-3
TP8245	B-3
TP8246	D-4
TP8247	E-2
TP8248	E-4
TP8249	D-4
TP8250	D-4
TP8251	E-4
TP8252	E-4

TH-50PX60U
DT-BOARD TNAG167S

TH-50PX60U
DT-BOARD TNAG167S

DT-BOARD (COMPONENT SIDE)
TNAG167S


6
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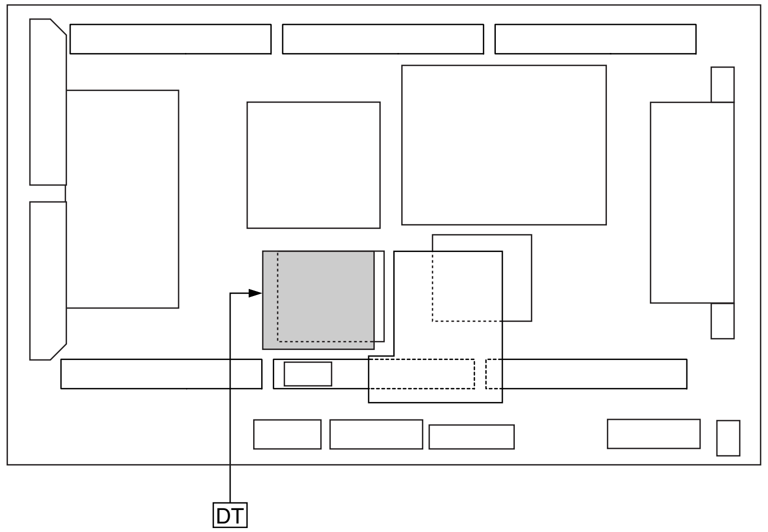
TNPA3758
CR NO.8
SUFFIX
DT
TU200
JK200
DT08
DT10



Parts Location

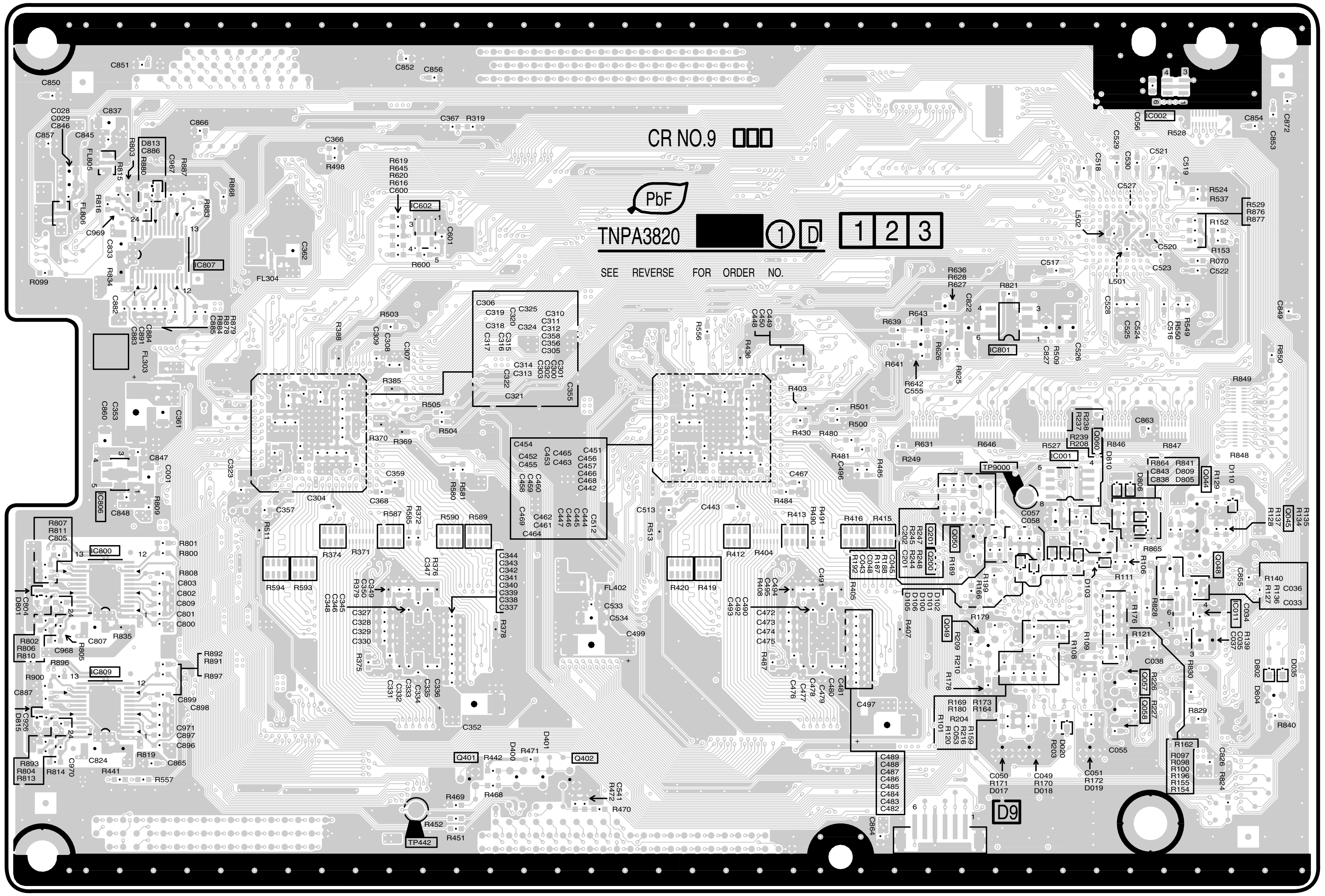
DT-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC8200	B-3	Q8210	D-4
IC8201	C-3	Q8211	C-4
IC8217	B-3	Q8213	B-4
IC8222	C-1	Q8214	B-4
IC8227	B-2	Q8215	B-4
IC8229	C-3	Q8217	B-3
IC8240	C-4	Q8218	C-3
IC8244	B-2	Q8219	E-2
IC8250	C-3	Q8220	D-2
IC8009	B-5	Q8226	A-3
IC8022	C-6	Q8227	D-6
		Q8228	D-6
		Q8229	B-2
		Q8230	B-6
		Q8234	D-2
		Q8235	E-2

TH-50PX60U
DT-BOARD TNAG167S

TH-50PX60U
DT-BOARD TNAG167S

13.8. D-Board

D-BOARD (FOIL SIDE)
TNPA3820ACS


CR NO.9
PbF
TNPA3820
① D
1 2 3
SEE REVERSE FOR ORDER NO.
IC9602
IC9807
IC9806
IC9800
IC9809
IC9801
IC9001
IC9002
IC9011
TP9000
TP442
Q9401
Q9402
D9
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A
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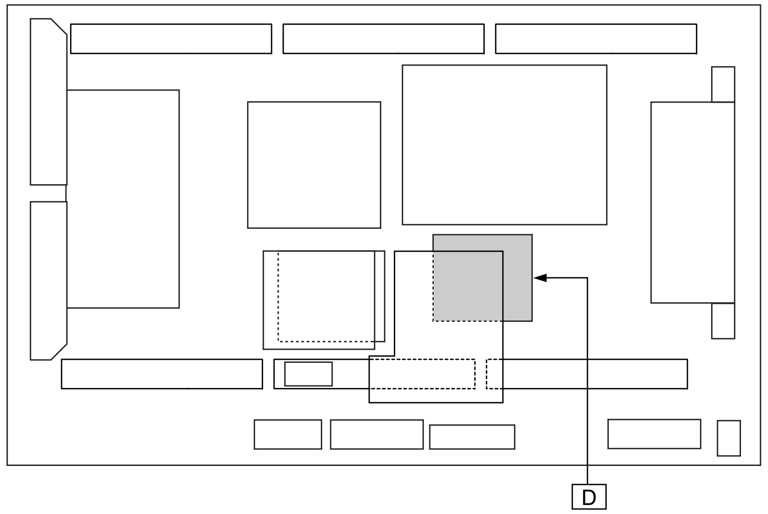


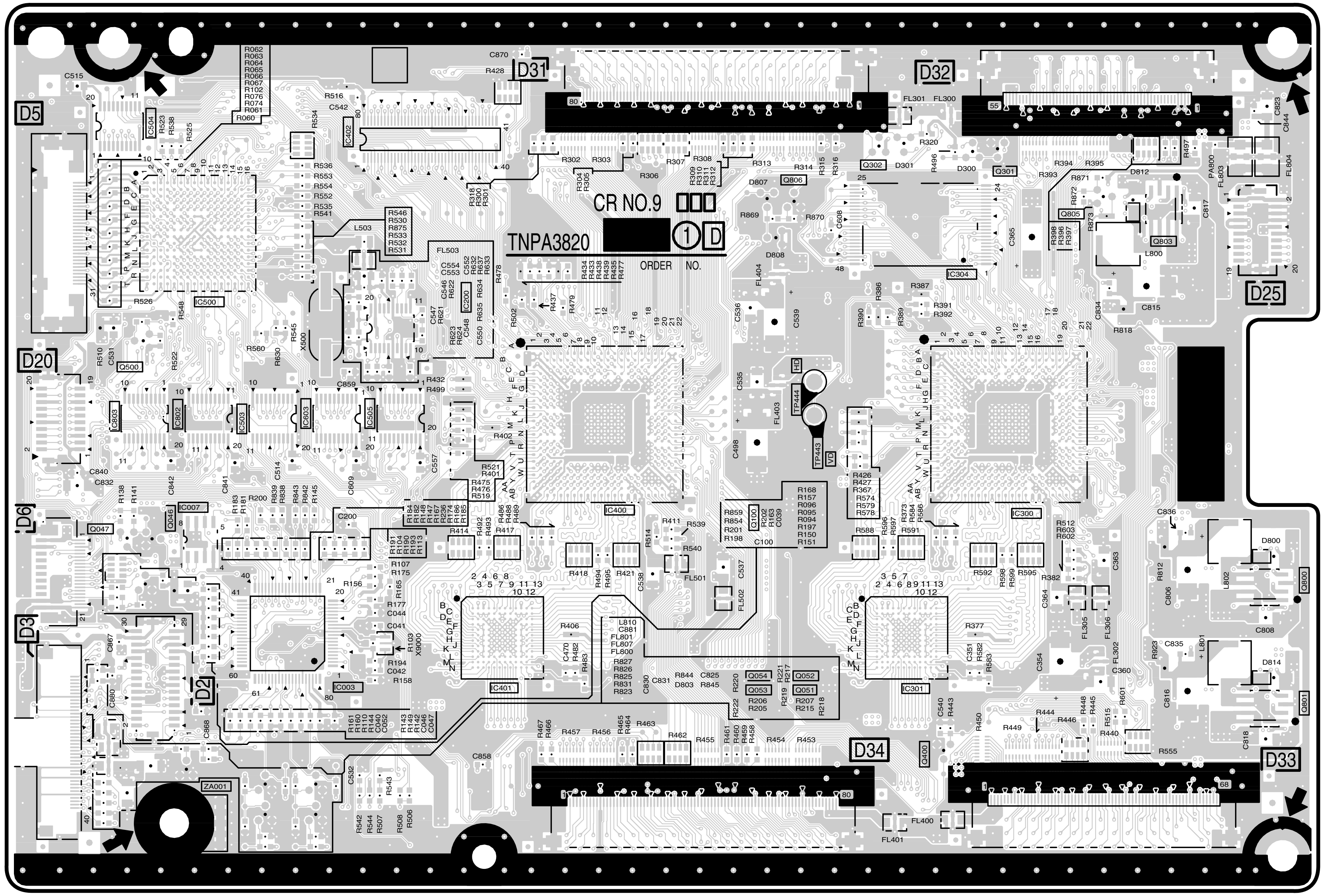
Parts Location

D-BOARD(FOIL SIDE)			
IC		Q9200	E-3
		Q9201	E-3
IC9001	F-3	Q9400	E-2
IC9002	F-5	Q9401	C-2
IC9011	G-2	Q9402	D-2
IC9602	C-4	Q9500	A-3
IC9800	A-3	Q9800	G-2
IC9801	E-4	Q9801	G-2
IC9806	A-3	Q9803	F-4
IC9807	B-4	Q9805	F-4
IC9809	A-2	Q9806	E-4
TRANSISTOR		**TP**	
Q9044	F-3	TP442	C-1
Q9045	G-3	TP9000	E-3
Q9048	F-3		
Q9049	E-2		
Q9050	E-3		
Q9057	F-2		
Q9058	F-2		
Q9060	F-3		

TH-50PX60U
D-BOARD TNPA3820ACS

TH-50PX60U
D-BOARD TNPA3820ACS

D-BOARD (COMPONENT SIDE)
TNPA3820ACS


D31
D32
D5
D20
D6
D3
D2
D34
D33
D25
CR NO.9
TNPA3820
ORDER NO.
1
D
IC500
IC400
IC300
IC401
IC301
IC304
IC003
IC007
IC200
IC402
Q500
Q047
Q046
Q302
Q806
Q301
Q805
Q803
Q054
Q052
Q053
Q051
Q100
Q400
ZA001
TP443
TP444
FL300
FL301
FL400
FL401
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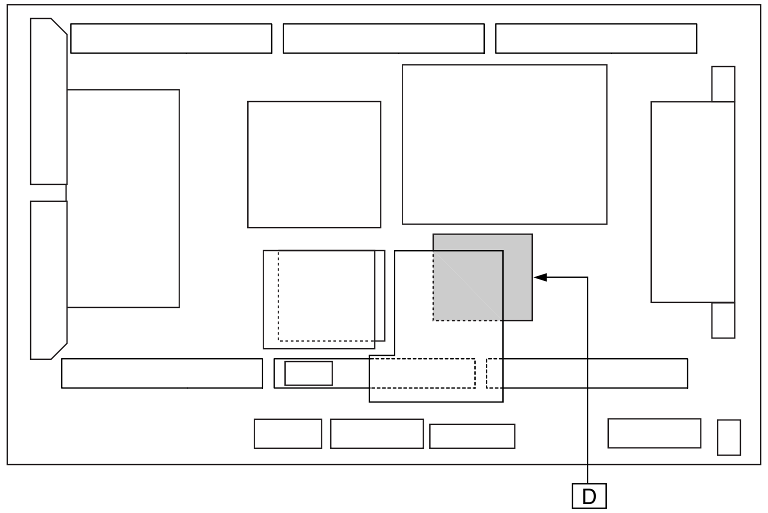


Parts Location

D-BOARD(COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC9003	B-2	Q9046	B-3
IC9007	B-3	Q9047	A-3
IC9200	C-4	Q9051	E-2
IC9300	F-3	Q9052	E-2
IC9301	E-2	Q9053	D-2
IC9304	E-4	Q9054	D-2
IC9400	D-3	Q9100	D-3
IC9401	C-2	Q9301	E-4
IC9402	B-4	Q9302	E-4
IC9500	B-4	**TP**	
IC9503	B-3	TP443	E-3
IC9504	B-5	TP444	E-3
IC9505	C-3		
IC9603	B-3		
IC9802	B-3		
IC9803	A-3		

TH-50PX60U
D-BOARD TNPA3820ACS

TH-50PX60U
D-BOARD TNPA3820ACS

13.9. C1-Board

6

5

4

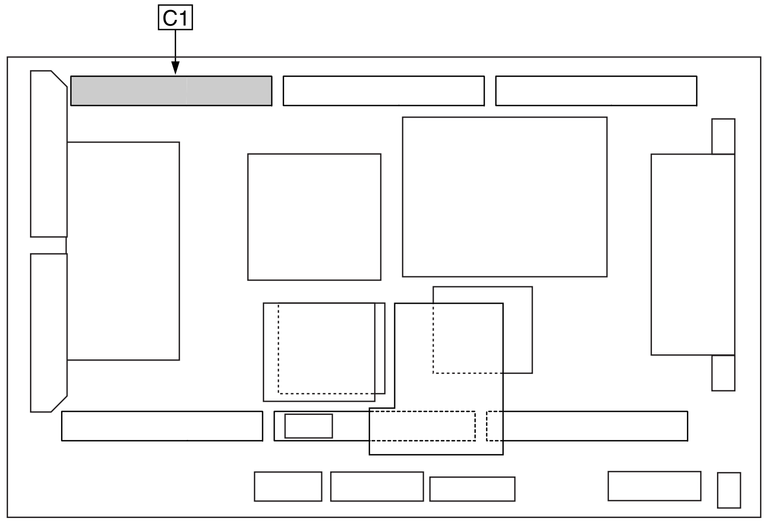
3

2

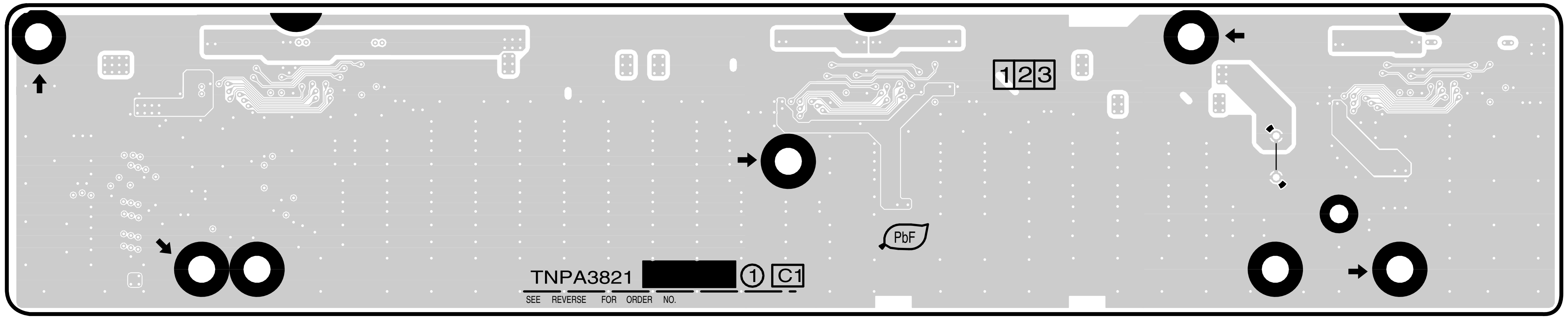
1

Parts Location

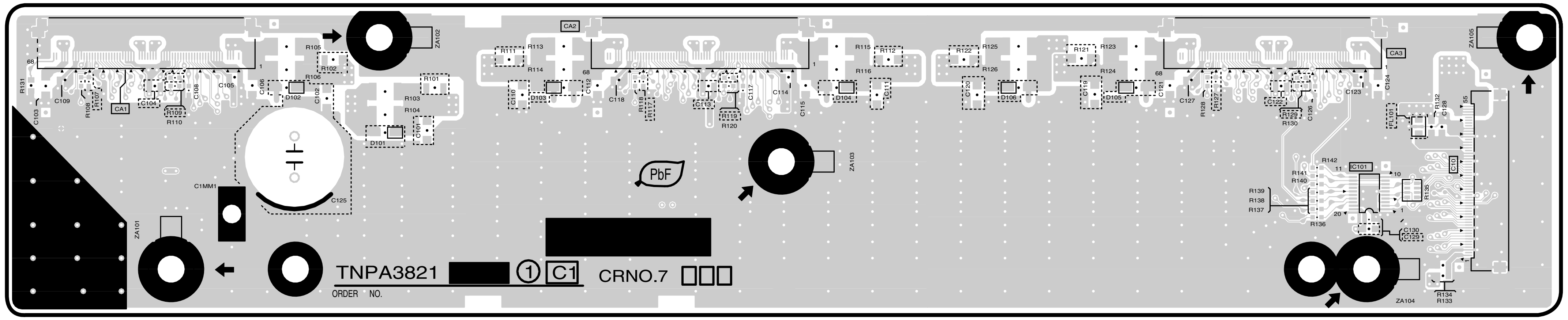
C1-BOARD	
IC	
IC7101	G-1



C1-BOARD (FOIL SIDE)
TXNC11BHTUJ


123
PbF
TNPA3821
① C1
SEE REVERSE FOR ORDER NO.

C1-BOARD (COMPONENT SIDE)
TXNC11BHTUJ


CA2
CA1
CA3
ZA101
ZA102
ZA103
ZA104
ZA105
C1MM1
C125
IC101
PbF
TNPA3821
① C1
ORDER NO.
CRNO.7

TH-50PX60U
C1-BOARD TXNC11BHTUJ

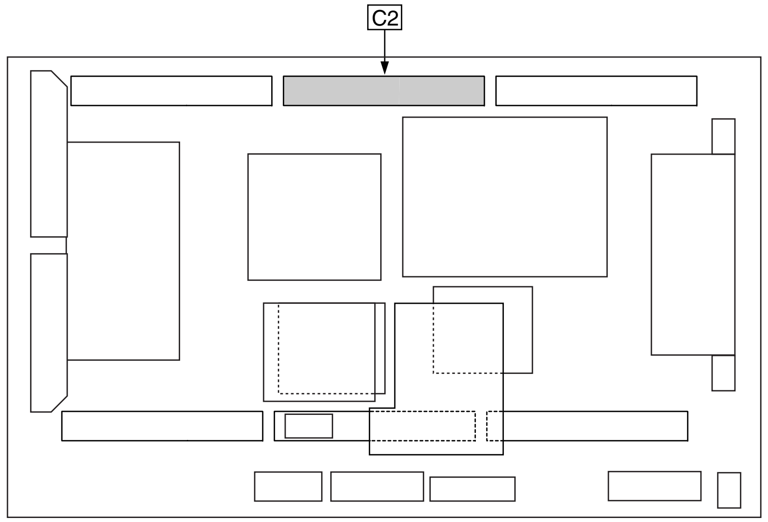
TH-50PX60U
C1-BOARD TXNC11BHTUJ

A B C D E F G H I

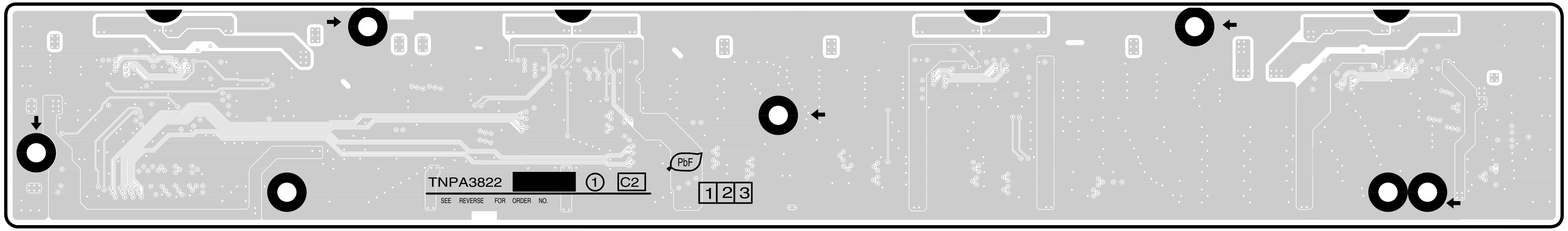
13.10. C2-Board

Parts Location

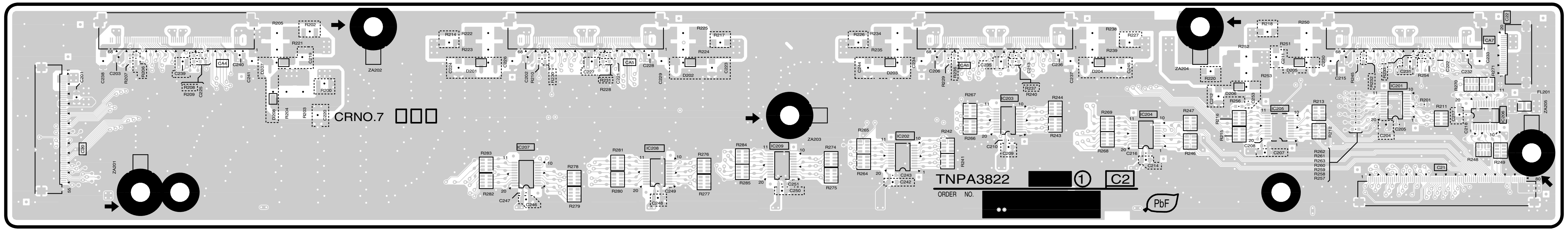
C2-BOARD	
IC	
IC7201	H-1
IC7202	F-1
IC7203	F-2
IC7204	G-2
IC7205	H-2
IC7206	I-2
IC7207	D-1
IC7208	D-1
IC7209	E-1



C2-BOARD (FOIL SIDE)
TXNC21BHTUJ


TNPA3822
①
C2
SEE REVERSE FOR ORDER NO.
PbF
1 2 3

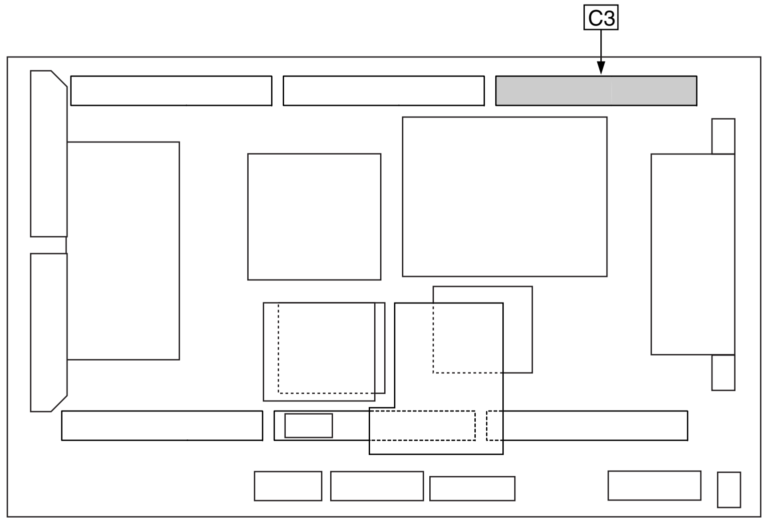
C2-BOARD (COMPONENT SIDE)
TXNC21BHTUJ


CRNO.7
TNPA3822
①
C2
ORDER NO.
PbF
ZA202
ZA201
ZA203
ZA204
FL201

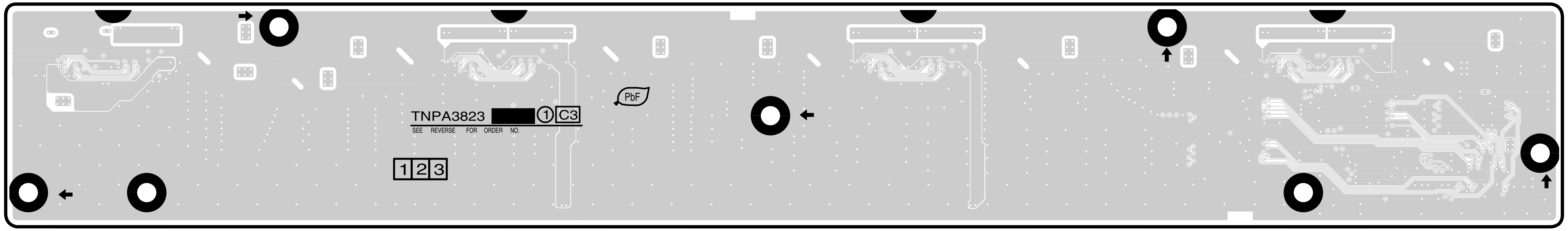
13.11. C3-Board

C3-BOARD

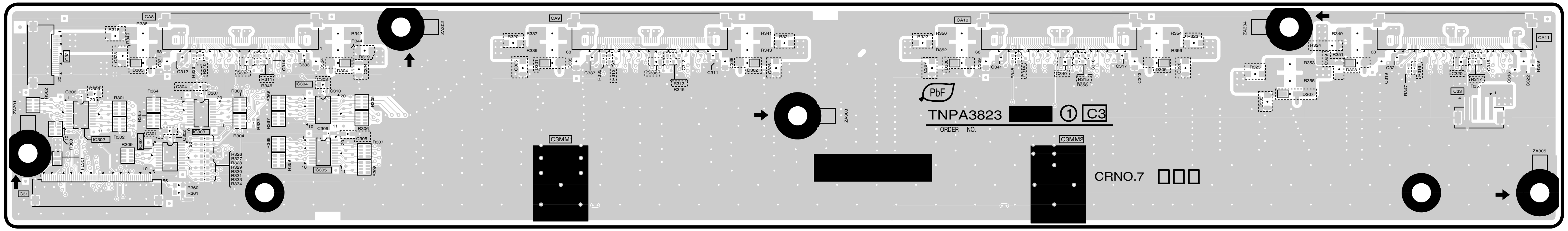
IC	
IC7301	B-1
IC7302	A-2
IC7303	B-2
IC7304	B-2
IC7305	B-1



C3-BOARD (FOIL SIDE)
TXNC31BHTUJ


TNPA3823
① C3
SEE REVERSE FOR ORDER NO.
PbF
1 2 3

C3-BOARD (COMPONENT SIDE)
TXNC31BHTUJ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① C3
ORDER NO.
PbF
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C3MM
C3MM2
CA8
CA9
CA10
CA11
ZA301
ZA302
ZA303
ZA304
ZA305

TH-50PX60U
C3-BOARD TXNC31BHTUJ

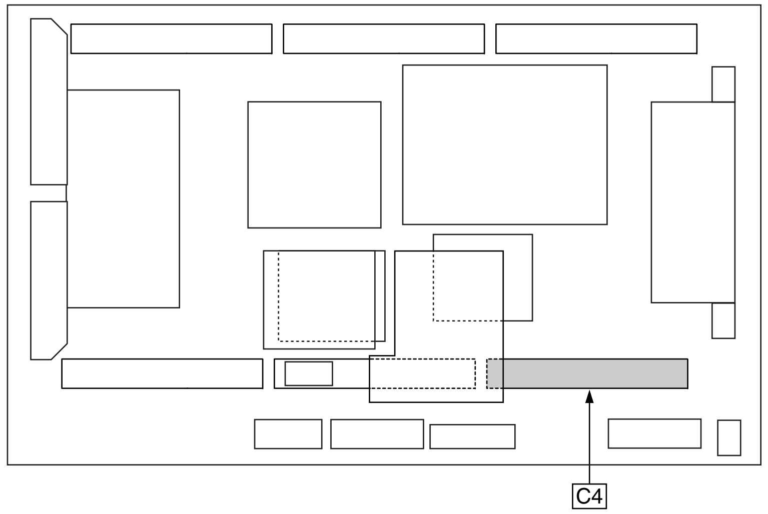
TH-50PX60U
C3-BOARD TXNC31BHTUJ

6 5 4 3 2 1

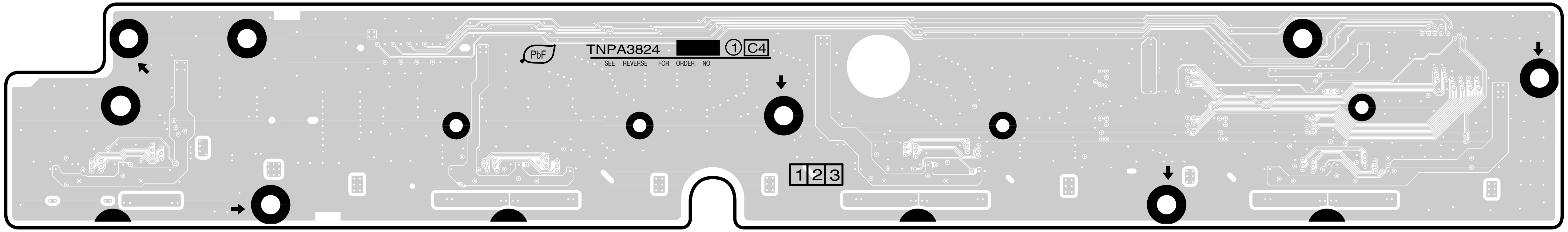
A B C D E F G H I

13.12. C4-Board

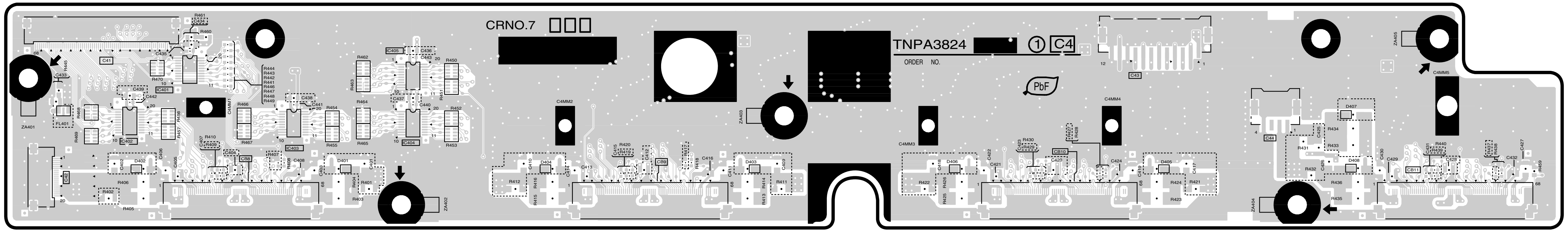
C4-BOARD	
IC	
IC7401	B-2
IC7402	A-2
IC7403	B-2
IC7404	C-2
IC7405	C-2



C4-BOARD (FOIL SIDE)
TXNC41BHTUJ


PbF
TNPA3824
① C4
SEE REVERSE FOR ORDER NO.
1 2 3

C4-BOARD (COMPONENT SIDE)
TXNC41BHTUJ


CRNO.7
TNPA3824
① C4
ORDER NO.
PbF

TH-50PX60U
C4-BOARD TXNC41BHTUJ

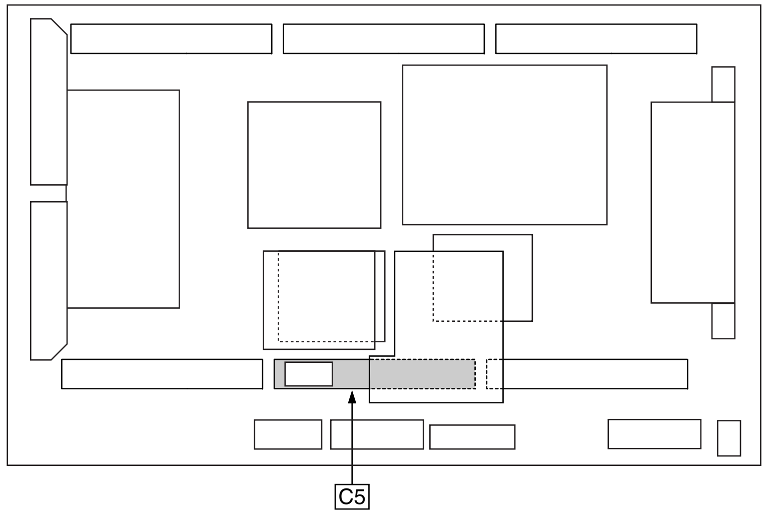
TH-50PX60U
C4-BOARD TXNC41BHTUJ

6 5 4 3 2 1

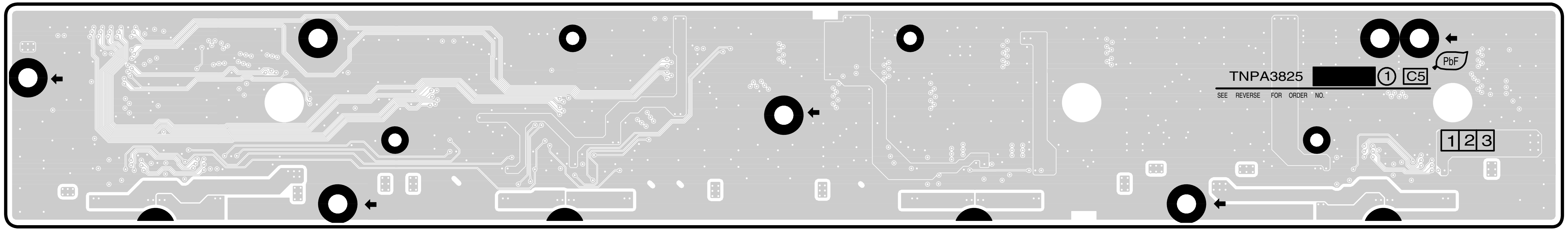
A B C D E F G H I

13.13. C5-Board

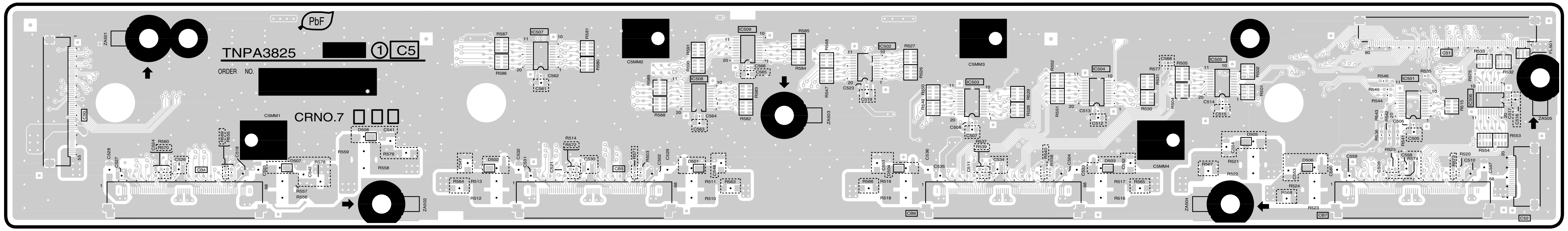
C5-BOARD	
IC	
IC7501	H-1
IC7502	E-2
IC7503	F-2
IC7504	G-2
IC7505	G-2
IC7506	I-2
IC7507	D-2
IC7508	D-2
IC7509	E-2



C5-BOARD (FOIL SIDE)
TXNC51BHTUJ


TNPA3825
①
C5
PbF
SEE REVERSE FOR ORDER NO.
1 2 3

C5-BOARD (COMPONENT SIDE)
TXNC51BHTUJ


PbF
TNPA3825
①
C5
ORDER NO.
CRNO.7

6
5
4
3
2
1

TH-50PX60U
C5-BOARD TXNC51BHTUJ

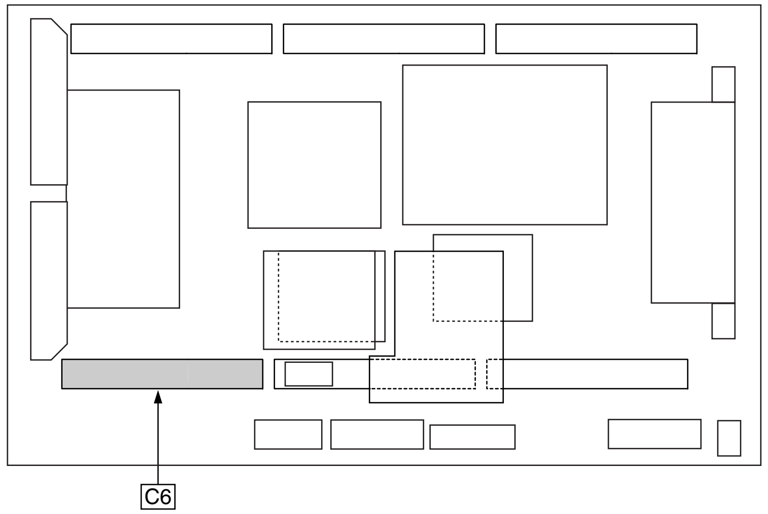
TH-50PX60U
C5-BOARD TXNC51BHTUJ

A B C D E F G H I

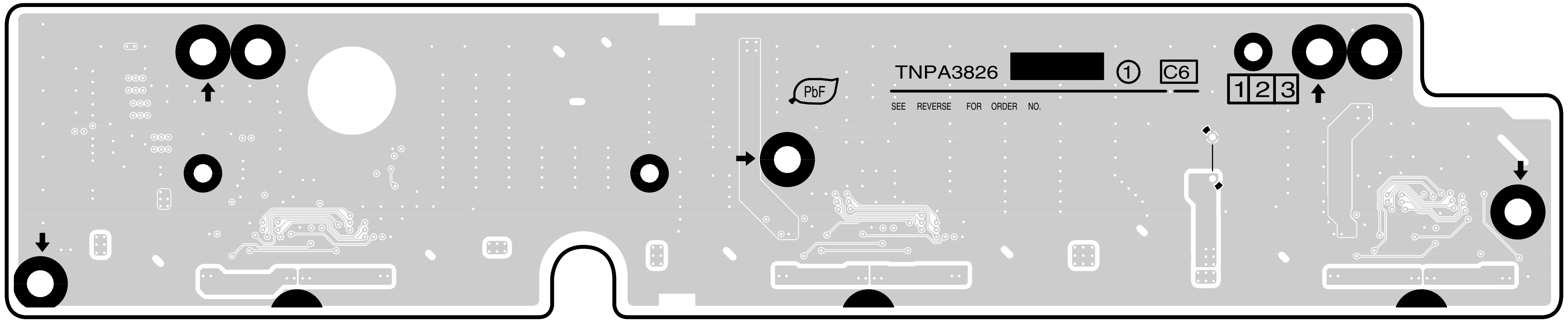
13.14. C6-Board

Parts Location

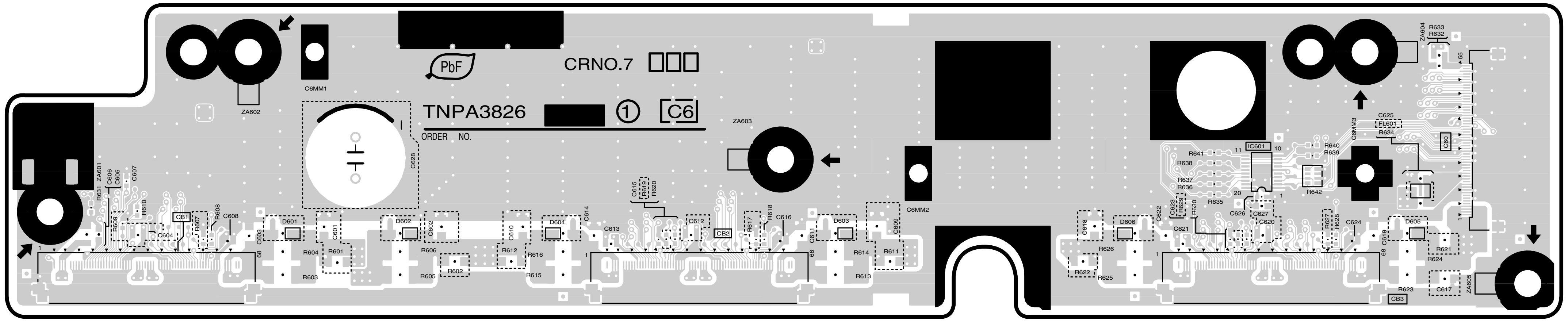
C6-BOARD	
IC	
IC7601	G-2



C6-BOARD (FOIL SIDE)
TXNC61BHTUJ


PbF
TNPA3826
①
C6
1 2 3
SEE REVERSE FOR ORDER NO.

C6-BOARD (COMPONENT SIDE)
TXNC61BHTUJ

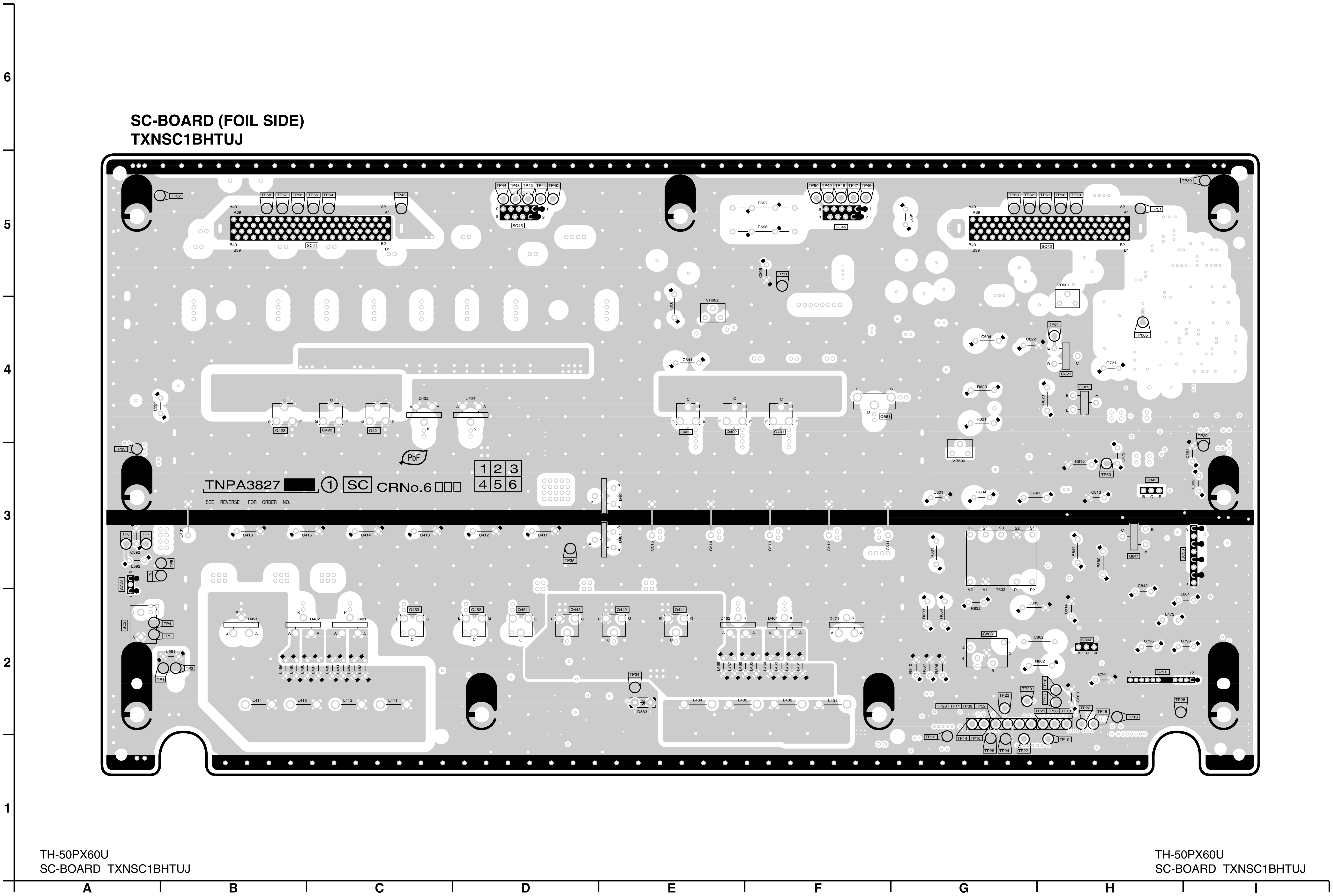

C6MM1
ZA602
PbF
CRNO.7
TNPA3826
①
C6
ORDER NO.
ZA603
C6MM2
C6MM3
IC601
ZA604
ZA605
C628
C6B1
C6B2
C6B3
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

TH-50PX60U
C6-BOARD TXNC61BHTUJ

TH-50PX60U
C6-BOARD TXNC61BHTUJ

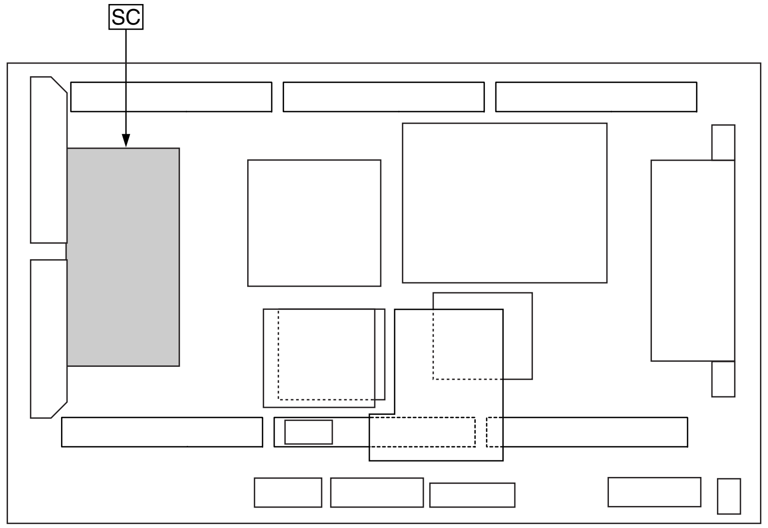
13.15. SC-Board

SC-BOARD (FOIL SIDE)
TXNSC1BHTUJ


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TNPA3827 ① SC CRNo.6
SEE REVERSE FOR ORDER NO.
PbF
1 2 3
4 5 6
SC41
SC45
SC46
SC42
SC1
SC2
SC3
SC20
TP32
TP58
TP57
TP56
TP55
TP54
TP45
TP44
TP43
TP42
TP41
TP40
TP50
TP49
TP48
TP47
TP46
TP63
TP62
TP61
TP60
TP59
TP51
TP30
TP31
TP33
TP35
TP34
TP53
TP29
TP64
TP065
Q423
Q422
Q421
Q403
Q402
Q401
Q661
Q821
Q822
Q842
Q841
Q804
Q453
Q452
Q451
Q443
Q442
Q441
D432
D431
D491
D482
D481
D462
D461
D471
D583
VR602
VR601
VR600
IC803
IC791
T602
C641
C604
C622
C721
C801
C804
C841
C813
C416
C415
C414
C413
C412
C411
C431
C515
C514
C513
C512
C511
R697
R696
R620
R821
R815
R832
R802
L414
L413
L412
L411
L404
L403
L402
L401
L601
L472
L591
L592

TH-50PX60U
SC-BOARD TXNSC1BHTUJ

TH-50PX60U
SC-BOARD TXNSC1BHTUJ



Parts Location

SC-BOARD (FOIL SIDE)

IC	
IC6791	H-2
IC6803	G-2

TRANSISTOR	
Q6401	F-4
Q6402	E-4
Q6403	E-4
Q6421	C-4
Q6422	C-4
Q6423	B-4
Q6441	E-2
Q6442	E-2
Q6443	D-2
Q6451	D-2
Q6452	D-2
Q6453	C-2
Q6804	H-2
Q6821	H-4
Q6822	H-4
Q6841	H-3
Q6842	H-3

TP	
TP1	B-2
TP2	B-2
TP4	A-2
TP5	A-2
TP6	A-3
TP7	A-3
TP8	B-3
TP9	A-3
TP10	G-1
TP11	G-2
TP12	G-1
TP13	H-2
TP14	G-1
TP15	H-2
TP16	H-2
TP17	H-2
TP18	H-2
TP19	H-1
TP20	G-2
TP21	H-2
TP22	H-2
TP23	G-2
TP24	G-1
TP25	G-1
TP26	G-2
TP27	G-1
TP28	H-2
TP29	I-4
TP30	I-5
TP31	F-5
TP32	B-5
TP33	A-3
TP34	E-2
TP35	D-3
TP38	H-2
TP39	G-2
TP40	D-5
TP41	D-5
TP42	D-5
TP43	D-5
TP44	D-5
TP45	C-5
TP46	F-5
TP47	F-5
TP48	F-5
TP49	F-5
TP50	F-5
TP51	H-5
TP52	G-2
TP53	H-3
TP54	C-5
TP55	C-5
TP56	B-5
TP59	H-5
TP60	H-5
TP61	H-5
TP62	G-5
TP63	G-5
TP64	H-4
TP65	H-4
TP67	B-5
TP68	B-5

VOLUME	
VR6600	G-3
VR6601	H-5
VR6602	E-4

Parts Location

SC-BOARD (COMPONENT SIDE)

IC	
IC6471	B-5
IC6472	B-3
IC6501	F-4
IC6521	F-2
IC6561	B-1
IC6562	C-1
IC6581	F-2
IC6601	B-5
IC6602	A-4
IC6610	B-4
IC6671	D-4
IC6681	C-4
IC6682	A-4
IC6721	A-4
IC6722	A-4
IC6724	B-5
IC6725	B-5
IC6751	I-4
IC6752	H-4
IC6753	I-4
IC6771	C-4
IC6772	E-5
IC6773	D-4
IC6774	C-4
IC6791	B-2
IC6802	B-3
IC6803	C-2
IC6821	B-4

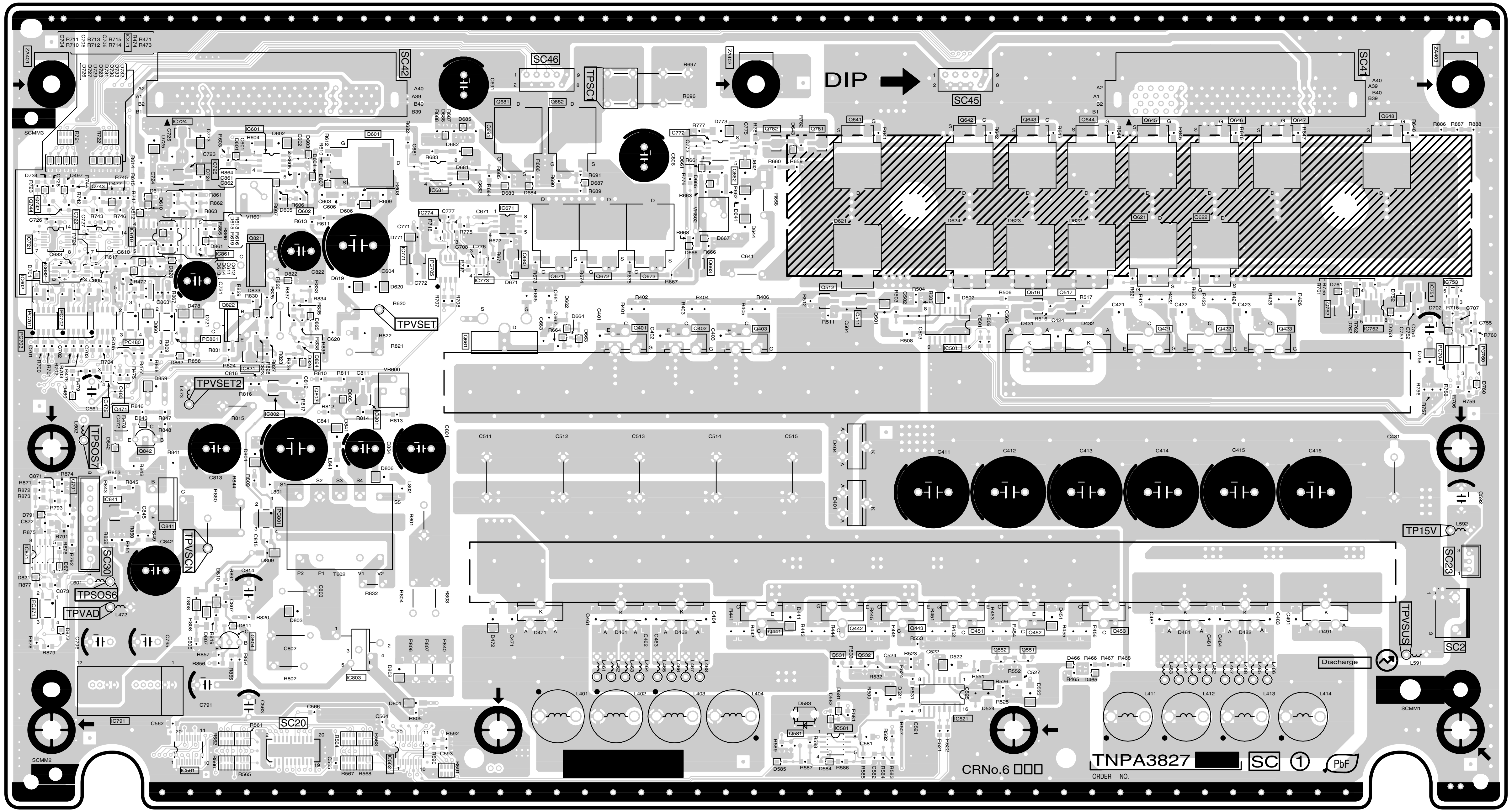
PHOTO COUPLER	
PC6480	B-4
PC6701	A-4
PC6702	A-4
PC6703	A-4
PC6704	I-4
PC6705	C-4
PC6760	I-4
PC6861	B-4
PC6871	A-2

TRANSISTOR	
Q6401	D-4
Q6402	E-4
Q6403	E-4
Q6421	G-4
Q6422	H-4
Q6423	H-4
Q6441	E-2
Q6442	F-2
Q6443	F-2
Q6451	F-2
Q6452	F-2
Q6453	G-2
Q6461	F-4
Q6471	B-3
Q6511	F-4
Q6512	E-4
Q6516	G-4
Q6517	G-4
Q6521	G-4
Q6531	E-2
Q6532	F-2
Q6551	F-2
Q6552	F-2
Q6581	E-2
Q6601	C-5
Q6602	C-4
Q6621	B-4
Q6622	G-4
Q6641	F-5
Q6642	F-5
Q6643	G-5
Q6644	G-5
Q6645	G-5
Q6646	H-5
Q6647	H-5
Q6648	H-5
Q6661	D-4
Q6662	E-5
Q6663	E-4
Q6671	D-4
Q6672	D-4
Q6673	D-4
Q6680	D-4
Q6681	D-4
Q6682	D-5
Q6691	D-5
Q6742	A-4
Q6743	B-5
Q6744	A-4
Q6762	H-4
Q6781	E-5
Q6782	E-5
Q6791	A-3
Q6801	C-3
Q6803	C-3
Q6804	B-2
Q6822	B-4
Q6824	C-4
Q6841	B-3
Q6842	B-3

TP	
TP15V	I-3
TPSC1	D-5
TPSOS6	B-2
TPSOS7	B-3
TPVAD	B-2
TPVSCN	B-3
TPVSET	C-4
TPVSET2	B-3
TPVSUS	H-2

VOLUME	
VR6600	C-3
VR6601	B-4
VR6602	E-4

SC-BOARD (COMPONENT SIDE)
TXNSC1BHTUJ


SC42
SC46
TPSC1
DIP
SC45
SC41
TPVSET
TPVSET2
TPSOS7
TPVSCN
SC30
TPSOS6
TPVAD
SC20
TP15V
SC23
TPVSUS
SC2
Discharge
SCMM1
SCMM2
SCMM3
CRNo.6
TNPA3827
SC
①
PbF
ORDER NO.

TH-50PX60U
SC-BOARD TXNSC1BHTUJ

TH-50PX60U
SC-BOARD TXNSC1BHTUJ

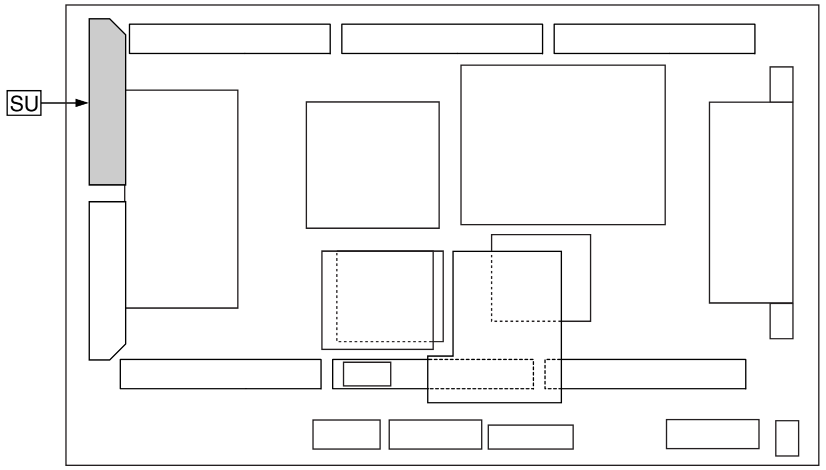
6	5	4	3	2	1

A	B	C	D	E	F	G	H	I

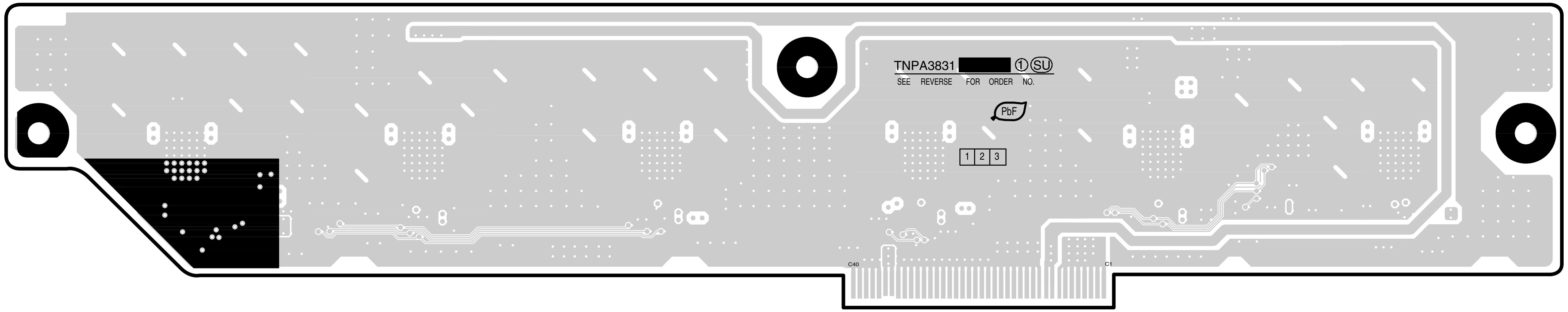
13.16. SU-Board

Parts Location

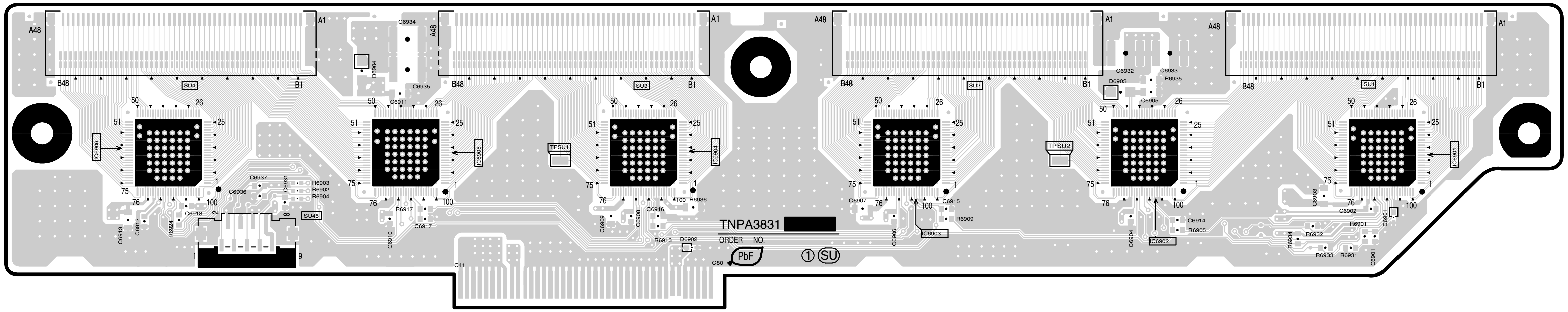
SU-BOARD	
IC	
IC6901	H-2
IC6902	G-2
IC6903	F-2
IC6904	D-2
IC6905	C-2
IC6906	B-2



SU-BOARD (FOIL SIDE)
TXNSU1BHTUJ


TNPA3831
①SU
SEE REVERSE FOR ORDER NO.
PbF
1 2 3
C40
C1

SU-BOARD (COMPONENT SIDE)
TXNSU1BHTUJ


A48
A1
B48
B1
SU4
SU3
SU2
SU1
SU45
TPSU1
TPSU2
50
26
51
25
75
1
76
100
C6934
C6935
C6936
C6937
C6918
C6917
C6916
C6915
C6914
C6911
C6910
C6909
C6908
C6907
C6906
C6905
C6904
C6903
C6902
C6901
C6912
C6913
C6932
C6933
D6903
D6902
D6901
R6901
R6902
R6903
R6904
R6905
R6909
R6913
R6917
R6924
R6931
R6932
R6933
R6935
R6936
IC6902
IC6903
C41
C80
TNPA3831
ORDER NO.
PbF
①SU

6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

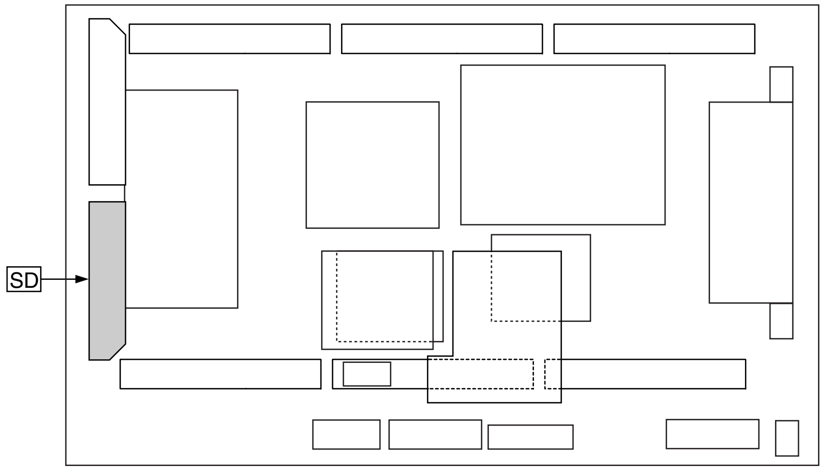
TH-50PX60U
SU-BOARD TXNSU1BHTUJ

TH-50PX60U
SU-BOARD TXNSU1BHTUJ

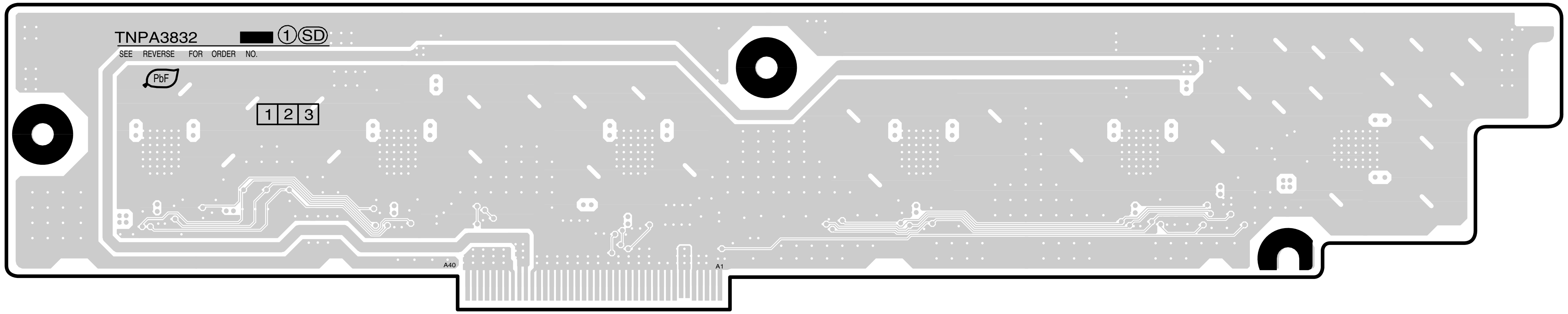
13.17. SD-Board

Parts Location

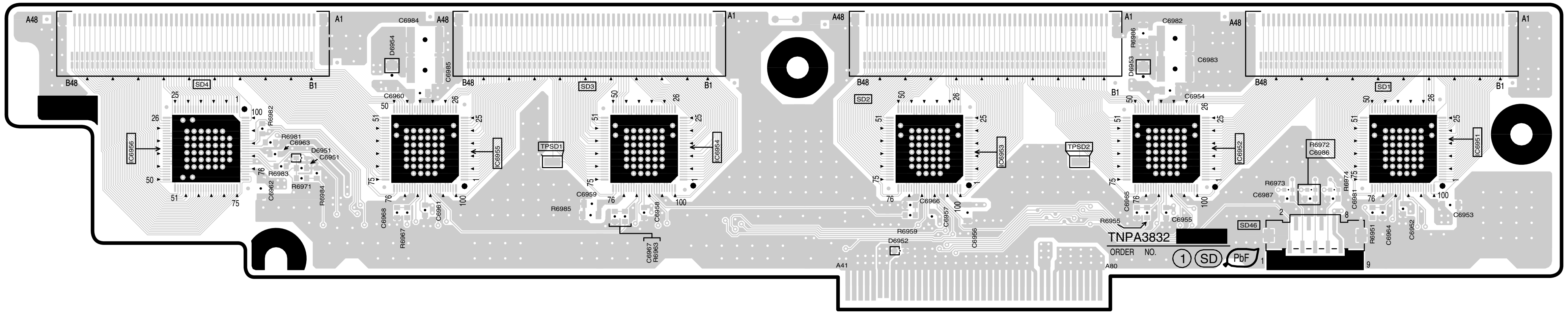
SD-BOARD	
IC	
IC6951	H-2
IC6952	G-2
IC6953	F-2
IC6954	D-2
IC6955	C-2
IC6956	B-2



SD-BOARD (FOIL SIDE)
TXNSD1BHTUJ


TNPA3832
①SD
SEE REVERSE FOR ORDER NO.
PbF
1 2 3
A40
A1

SD-BOARD (COMPONENT SIDE)
TXNSD1BHTUJ


A48
A1
B48
B1
SD4
SD3
SD2
SD1
SD46
TPSD1
TPSD2
C6956
C6955
C6954
C6953
C6952
C6951
C6984
D6954
C6985
C6960
C6982
D6953
R6986
C6983
R6982
R6981
C6963
D6951
C6951
R6983
R6971
C6962
R6984
C6968
R6967
C6961
C6959
R6985
C6958
C6967
R6963
C6966
C6957
C6956
R6959
D6952
R6955
C6965
C6955
R6972
C6986
R6973
C6987
R6974
C6981
R6951
C6964
C6992
C6953
TNPA3832
ORDER NO.
①SD PbF
A41
A80
1
2
8
9
25
26
50
51
75
76
100

TH-50PX60U
SD-BOARD TXNSD1BHTUJ

TH-50PX60U
SD-BOARD TXNSD1BHTUJ

6
5
4
3
2
1

A B C D E F G H I

13.18. SS-Board

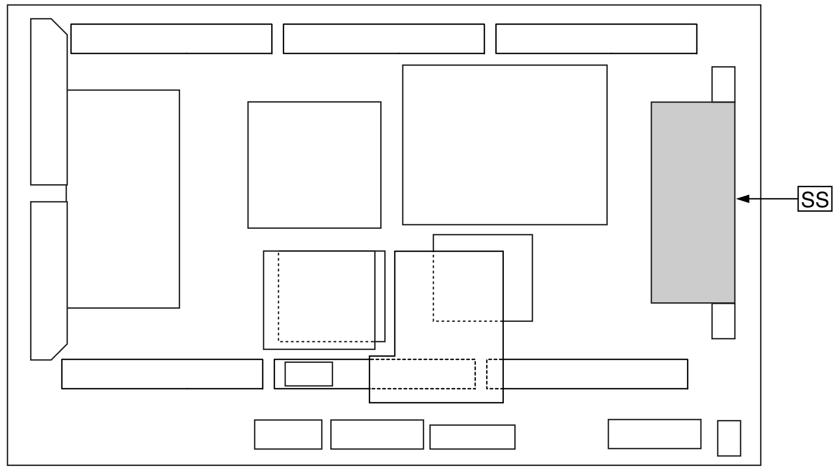
Parts Location

SS-BOARD (FOIL SIDE)

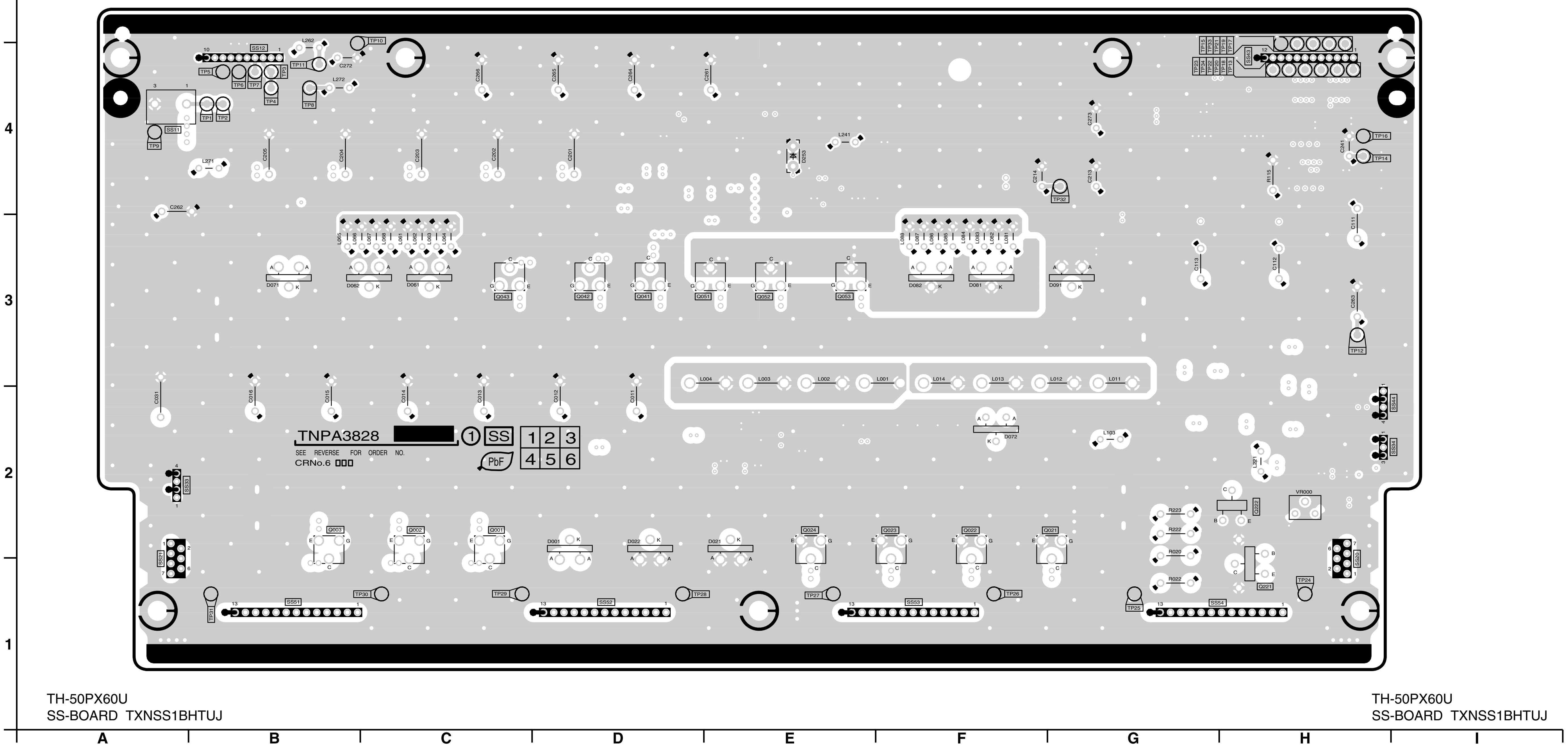
TRANSISTOR	
Q6001	C-2
Q6002	C-2
Q6003	C-2
Q6021	G-2
Q6022	F-2
Q6023	F-2
Q6024	E-2
Q6041	D-3
Q6042	D-3
Q6043	C-3
Q6051	E-3
Q6052	E-3
Q6053	E-3
Q6221	H-1
Q6222	H-2

TP	
TP1	B-4
TP2	B-4
TP3	B-4
TP4	B-4
TP5	B-4
TP6	B-4
TP7	B-4
TP8	B-4
TP9	A-4
TP10	C-5
TP11	B-4
TP12	H-3
TP13	H-4
TP14	H-4
TP15	G-4
TP16	H-4
TP17	H-4
TP18	H-4
TP19	H-4
TP20	H-4
TP21	H-4
TP22	G-4
TP23	G-4
TP24	H-1
TP25	G-1
TP26	F-1
TP27	E-1
TP28	D-1
TP29	C-1
TP30	C-1
TP31	B-1
TP32	G-4
TP33	H-4

VOLUME	
VR6000	H-2

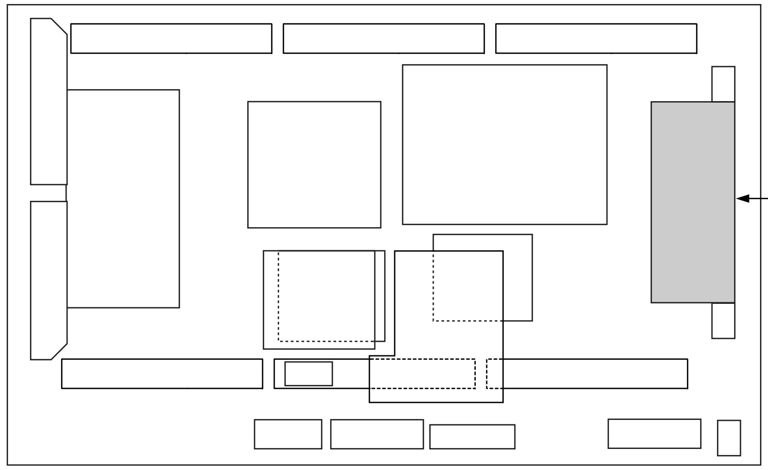


SS-BOARD (FOIL SIDE)
TXNSS1BHTUJ

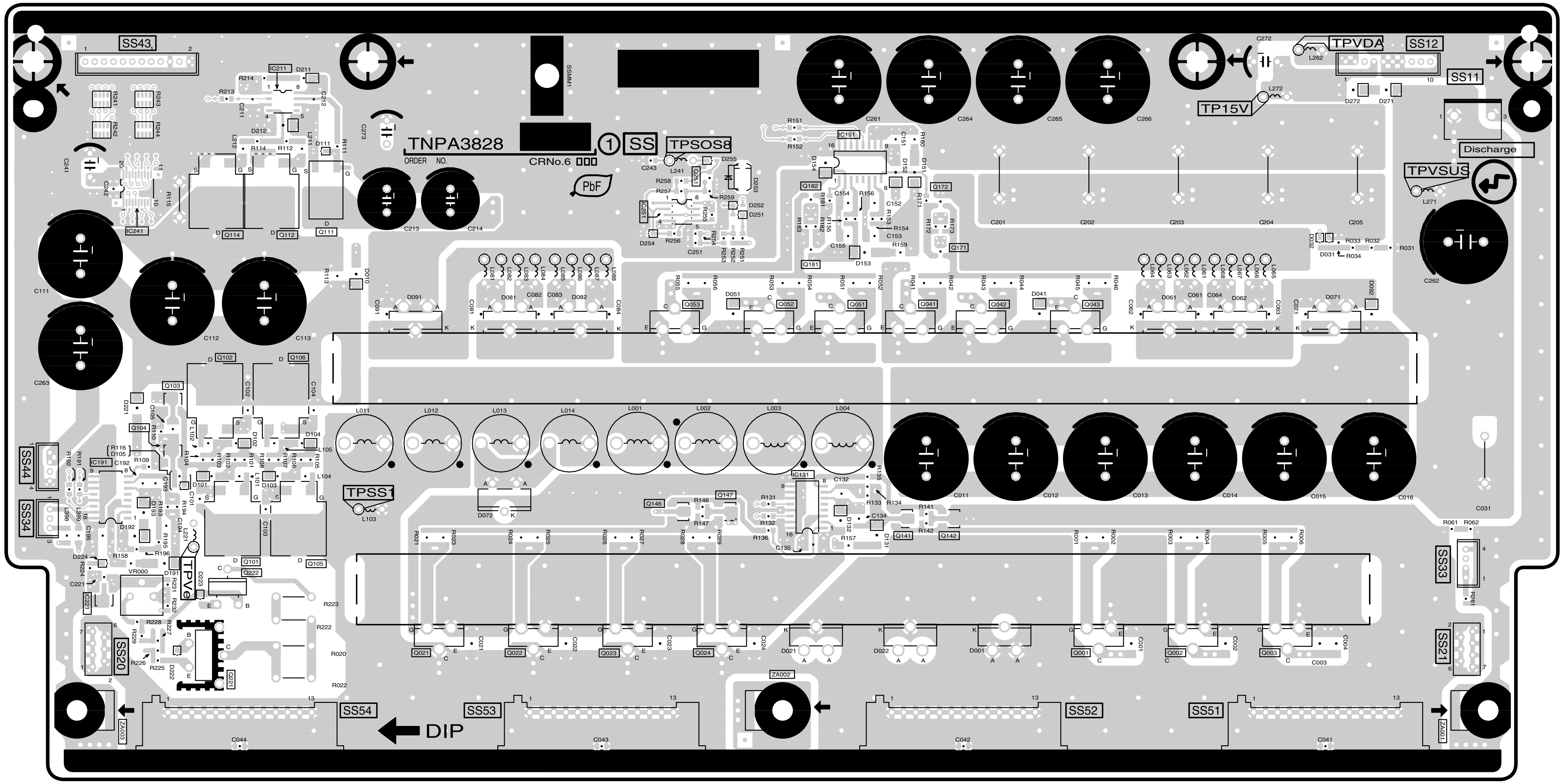

6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TNPA3828
① SS
1 2 3
4 5 6
PbF
SEE REVERSE FOR ORDER NO.
CRNo.6
SS11
SS12
SS21
SS33
SS43
SS44
SS42
SS30
SS51
SS52
SS53
SS54
VR6000
TH-50PX60U
SS-BOARD TXNSS1BHTUJ
TH-50PX60U
SS-BOARD TXNSS1BHTUJ

Parts Location

SS-BOARD (COMPONENT SIDE)	
IC	
IC6131	E-2
IC6151	E-4
IC6191	A-2
IC6211	B-4
IC6221	A-2
IC6241	B-4
IC6251	D-4
TRANSISTOR	
Q6001	F-1
Q6002	G-1
Q6003	G-1
Q6021	C-1
Q6022	C-1
Q6023	D-1
Q6024	D-1
Q6041	F-3
Q6042	F-3
Q6043	F-3
Q6051	E-3
Q6052	E-3
Q6053	D-3
Q6101	B-2
Q6102	B-3
Q6103	B-3
Q6104	B-3
Q6105	C-2
Q6106	B-3
Q6111	C-4
Q6112	B-4
Q6114	B-4
Q6141	E-2
Q6142	F-2
Q6146	D-2
Q6147	E-2
Q6171	F-3
Q6182	E-4
Q6221	B-1
Q6222	B-2
Q6251	D-4
TP	
TP15V	G-4
TP34	G-4
TPSOS8	D-4
TPSS1	C-2
TPVDA	H-4
TPVe	B-2
TPVSUS	H-4
VOLUME	
VR6000	B-2



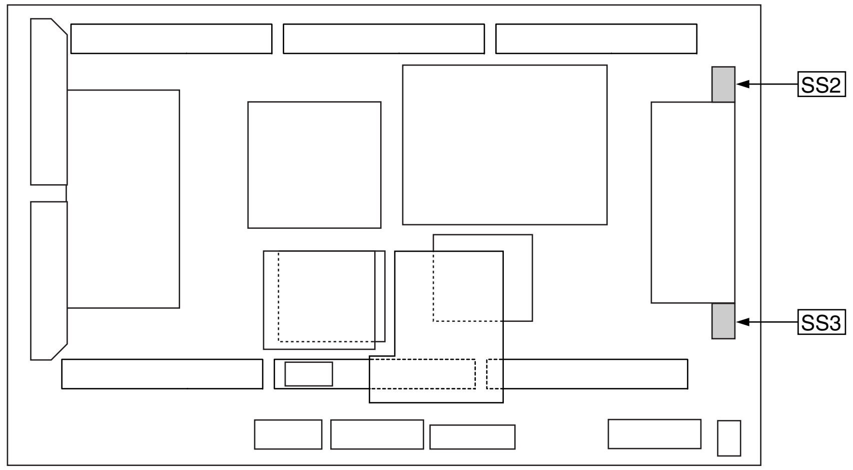
SS-BOARD (COMPONENT SIDE)
TXNSS1BHTUJ


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
SS43
TNPA3828
ORDER NO.
CRNo.6
① SS
TPSOS8
PbF
TPVDA
SS12
SS11
TP15V
Discharge
TPVSUS
SS44
SS34
TPSS1
TPVe
SS20
SS54
SS53
SS52
SS51
DIP
SS33
SS21

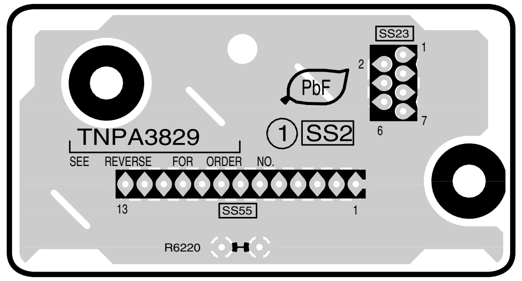
TH-50PX60U
SS-BOARD TXNSS1BHTUJ

TH-50PX60U
SS-BOARD TXNSS1BHTUJ

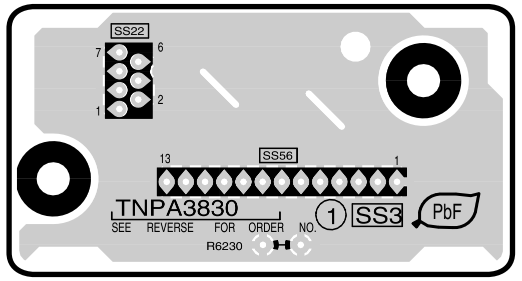
13.19. SS-Board



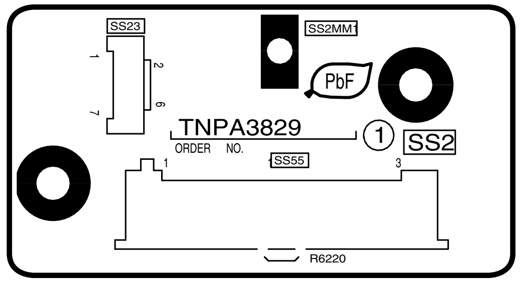
SS2-BOARD (FOIL SIDE)
TNPA3829S


SS23
TNPA3829
SEE REVERSE FOR ORDER NO.
PbF
① SS2
SS55
13
1
R6220

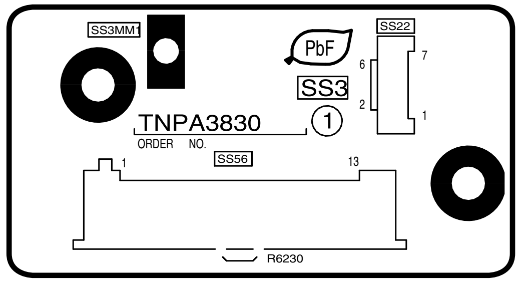
SS3-BOARD (FOIL SIDE)
TNPA3830S


SS22
SS56
13
1
TNPA3830
SEE REVERSE FOR ORDER NO.
① SS3
PbF
R6230

SS2-BOARD (COMPONENT SIDE)
TNPA3829S


SS23
SS2MM
PbF
TNPA3829
ORDER NO.
① SS2
SS55
R6220

SS3-BOARD (COMPONENT SIDE)
TNPA3830S


SS3MM
PbF
SS3
SS22
TNPA3830
ORDER NO.
①
SS56
13
R6230

TH-50PX60U
SS2-BOARD TNPA3829S
SS3-BOARD TNPA3830S

TH-50PX60U
SS2-BOARD TNPA3829S
SS3-BOARD TNPA3830S

14 Block and Schematic Diagram

14.1. Schematic Diagram Note

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

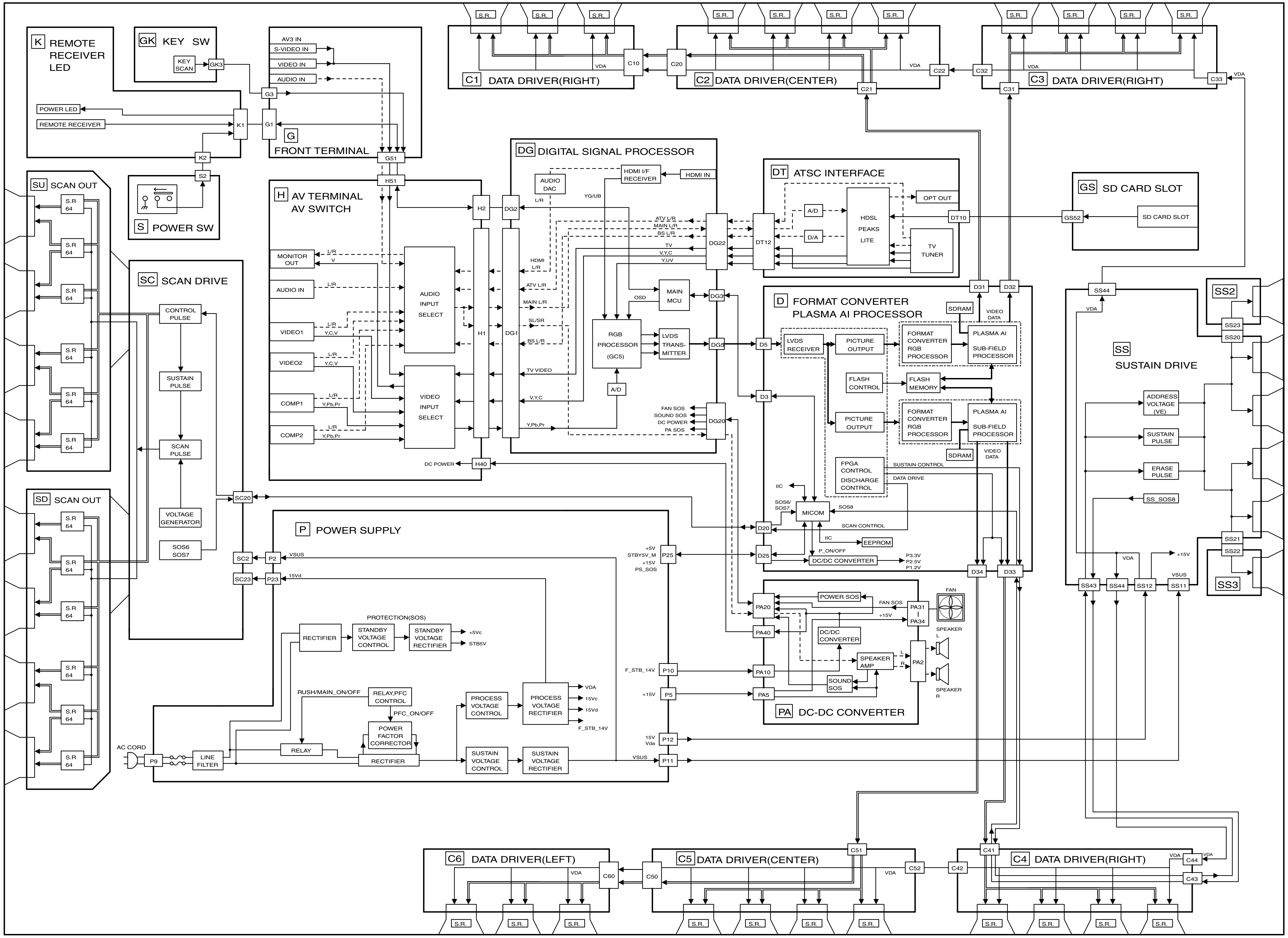
Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ▽ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source AC120V, 50/60Hz
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

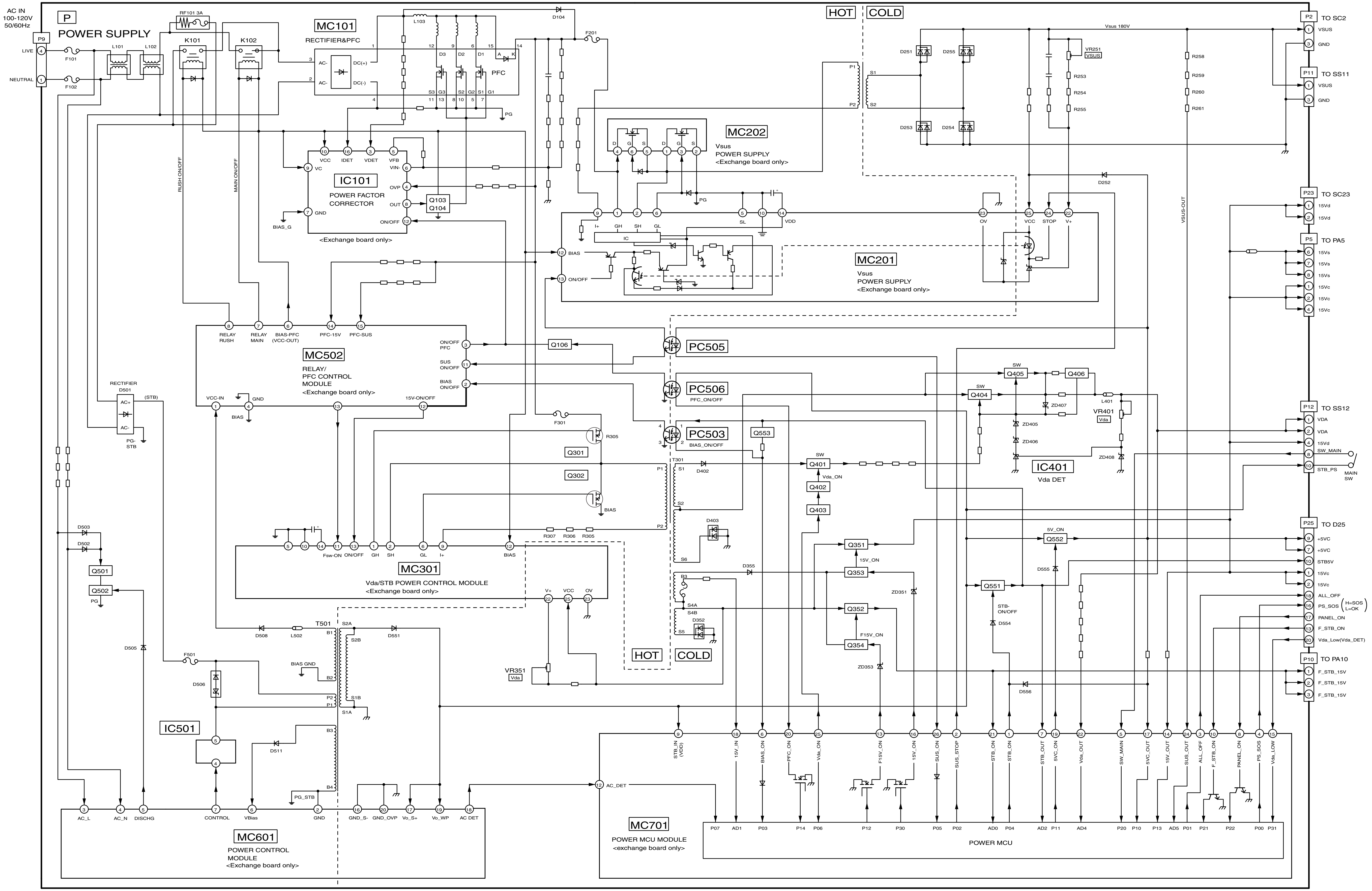
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
   Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

14.2. Main Block Diagram


K REMOTE RECEIVER LED
POWER LED
REMOTE RECEIVER
K1
K2
GK KEY SW
KEY SCAN
GK3
AV3 IN
S-VIDEO IN
VIDEO IN
AUDIO IN
G3
G1
G FRONT TERMINAL
G51
S2
S POWER SW
SU SCAN OUT
SD SCAN OUT
S.R 64
SC SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
SC20
SC2
SC23
H51
H AV TERMINAL AV SWITCH
MONITOR OUT
AUDIO IN
VIDEO1
VIDEO2
COMP1
COMP2
L/R
V
Y,C,V
Y,Pb,Pr
AUDIO INPUT SELECT
VIDEO INPUT SELECT
H2
H1
H40
DC POWER
DG DIGITAL SIGNAL PROCESSOR
AUDIO DAC
HDMI I/F RECEIVER
HDMI IN
YG/UB
L/R
HDMI L/R
ATV L/R
MAIN L/R
BS L/R
TV
Y,Y,C
Y,UV
OSD
MAIN MCU
SL/SR
RGB PROCESSOR (GC5)
LVDS TRANS-MITTER
A/D
TV VIDEO
V,Y,C
Y,Pb,Pr
FAN SOS
SOUND SOS
DC POWER
PA SOS
DG1
DG2
DG22
DG3
DG5
DG20
DT ATSC INTERFACE
A/D
D/A
HDSL PEAKS LITE
TV TUNER
OPT OUT
DT10
DT12
GS SD CARD SLOT
SD CARD SLOT
GS52
C1 DATA DRIVER(RIGHT)
C2 DATA DRIVER(CENTER)
C3 DATA DRIVER(RIGHT)
C10
C20
C21
C22
C32
C31
C33
VDA
S.R.
D FORMAT CONVERTER PLASMA AI PROCESSOR
D31
D32
SDRAM
VIDEO DATA
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
FLASH CONTROL
FLASH MEMORY
FPGA CONTROL
DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/SOS7
MICOM
SOS8
SCAN CONTROL
EEPROM
P_ON/OFF
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
D5
D3
D20
D25
D34
D33
SS SUSTAIN DRIVE
SS44
SS2
SS23
SS20
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
SS21
SS22
SS3
SS43
SS12
SS11
+15V
VSUS
P POWER SUPPLY
P2
P23
VSUS
15Vd
+5V
STBY5V_M
+15V
PS_SOS
P25
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
+5Vc
STB5V
RUSH/MAIN_ON/OFF
RELAY,PFC CONTROL
PFC_ON/OFF
POWER FACTOR CORRECTOR
RELAY
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15Vc
15Vd
F_STB_14V
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
AC CORD
P9
LINE FILTER
P10
P5
P12
15V Vda
P11
PA DC-DC CONVERTER
POWER SOS
FAN SOS
FAN
PA20
PA31 | PA34
PA40
DC/DC CONVERTER
SPEAKER L
SPEAKER AMP
SPEAKER R
L
R
PA2
PA10
PA5
SOUND SOS
C6 DATA DRIVER(LEFT)
C60
C5 DATA DRIVER(CENTER)
C50
C51
C52
C42
C4 DATA DRIVER(RIGHT)
C41
C44
C43

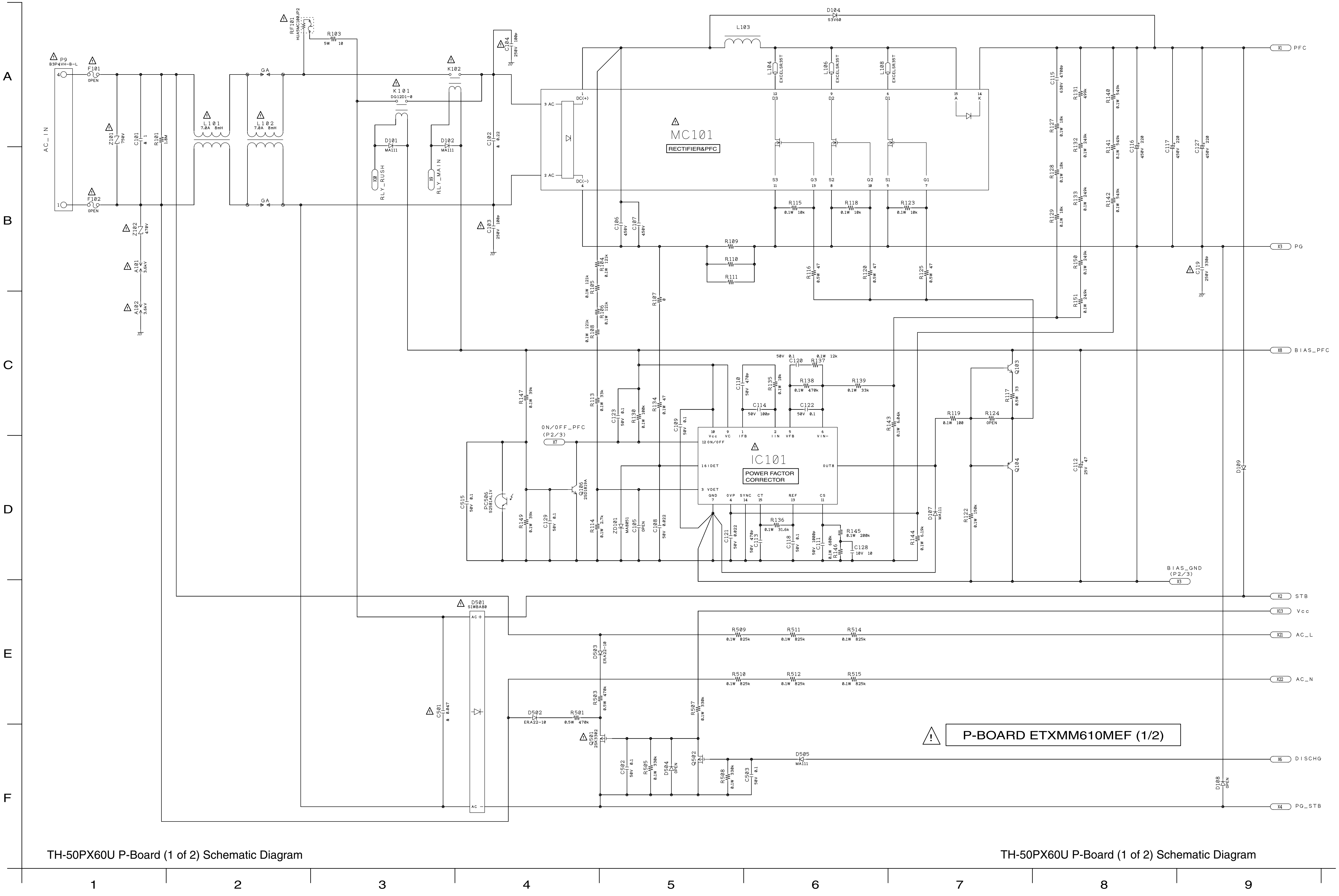
14.3. P-Board Block Diagram


AC IN
100-120V
50/60Hz
P
POWER SUPPLY
P9
LIVE
NEUTRAL
F101
F102
L101
L102
RF101 3A
K101
K102
MC101
RECTIFIER&PFC
AC-
DC(+)
DC(-)
L103
D3
D2
D1
PFC
D104
F201
PG
HOT
COLD
P1
S1
P2
S2
D251
D255
D253
D254
VR251
VSUS
R253
R254
R255
R258
R259
R260
R261
Vsus 180V
P2
TO SC2
VSUS
GND
P11
TO SS11
VSUS
GND
MC202
Vsus
POWER SUPPLY
<Exchange board only>
IC101
POWER FACTOR
CORRECTOR
VCC
IDET
VDET
VFB
VC
VIN-
OVP
OUT
GND
ON/OFF
Q103
Q104
<Exchange board only>
BIAS_G
RUSH ON/OFF
MAIN ON/OFF
D252
P23
TO SC23
15Vd
15Vd
P5
TO PA5
15Vs
15Vs
15Vs
15Vc
15Vc
15Vc
I+
GH
SH
GL
IC
SL
VDD
OV
VCC
STOP
V+
BIAS
ON/OFF
MC201
Vsus
POWER SUPPLY
<Exchange board only>
VSUS-OUT
RELAY RUSH
RELAY MAIN
BIAS-PFC (VCC-OUT)
PFC-15V
PFC-SUS
ON/OFF PFC
SUS ON/OFF
BIAS ON/OFF
MC502
RELAY/
PFC CONTROL
MODULE
<Exchange board only>
VCC-IN
GND
BIAS
15V-ON/OFF
Q106
PC505
PC506
PFC_ON/OFF
PC503
BIAS_ON/OFF
Q553
SW
Q405
Q406
SW
Q404
ZD407
L401
VR401
Vda
ZD405
ZD406
ZD408
IC401
Vda DET
P12
TO SS12
VDA
VDA
15Vd
SW_MAIN
STB_PS
MAIN SW
RECTIFIER
D501
AC+
AC-
(STB)
PG-STB
F301
R305
Q301
Q302
BIAS
T301
P1
S1
D402
S2
P2
Q401
Vda_ON
Q402
Q403
D403
S6
D503
D502
Q501
Q502
PG
Fsw-ON
ON/OFF
GH
SH
GL
I+
BIAS
R307
R306
R305
MC301
Vda/STB POWER CONTROL MODULE
<Exchange board only>
V+
VCC
OV
VR351
Vda
Q351
15V_ON
D355
B3
Q353
ZD351
S4A
S4B
D352
S5
Q352
F15V_ON
Q354
ZD353
HOT
COLD
5V_ON
Q552
D555
Q551
STB-ON/OFF
D554
D556
P25
TO D25
+5VC
+5VC
STB5V
15Vc
15Vc
ALL_OFF
PS_SOS
H=SOS
L=OK
PANEL_ON
F_STB_ON
Vda_Low(Vda_DET)
P10
TO PA10
F_STB_15V
F_STB_15V
F_STB_15V
D508
L502
T501
B1
S2A
S2B
D551
D505
F501
BIAS GND
B2
D506
P2
P1
S1B
S1A
IC501
B3
D511
PG_STB
B4
AC_DET
STB_IN (VDD)
15V_IN
BIAS_ON
PFC_ON
Vda_ON
F15V_ON
15V_ON
SUS_ON
SUS_STOP
STB_ON
STB_ON
STB_OUT
5VC_ON
Vda_OUT
SW_MAIN
5VC_OUT
15V_OUT
SUS_OUT
ALL_OFF
F_STB_ON
PANEL_ON
PS_SOS
Vda_LOW
AC_L
AC_N
DISCHG
CONTROL
VBias
GND
GND_S-
GND_OVP
Vo_S+
Vo_WP
AC DET
MC601
POWER CONTROL
MODULE
<Exchange board only>
MC701
POWER MCU MODULE
<exchange board only>
P07
AD1
P03
P14
P06
P12
P30
P05
P02
AD0
P04
AD2
P11
AD4
P20
P10
P13
AD5
P01
P21
P22
P00
P31
POWER MCU

TH-50PX60U
P-Board Block Diagram

TH-50PX60U
P-Board Block Diagram

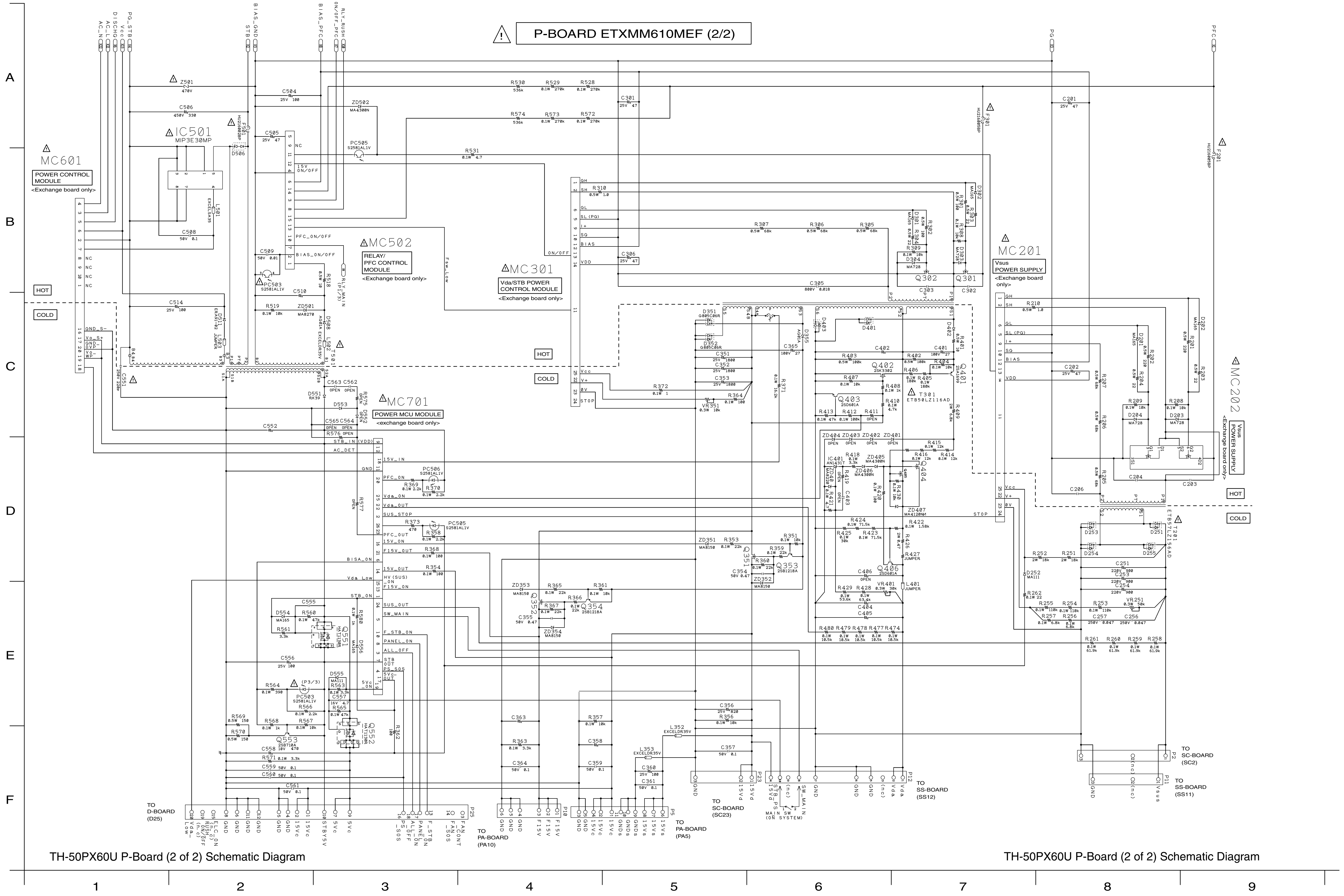
14.4. P-Board (1 of 2) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
P9
B3P4VH-B-L
AC_IN
F101
OPEN
F102
OPEN
Z101
750V
C101
1
R101
1.5M
Z102
470V
A101
3.6kV
A102
3.6kV
L101
7.0A 8mH
L102
7.0A 8mH
GA
RF101
R103
5W 10
K101
DG12D1-0
K102
D101
MA111
D102
MA111
X8
RLY_RUSH
X9
RLY_MAIN
C102
0.22
C104
250V 100p
C103
250V 100p
MC101
RECTIFIER&PFC
3 AC
2 AC
DC(+)
DC(-)
L103
D104
S3V60
L104
EXCEL3635T
L106
EXCEL3635T
L108
EXCEL3635T
D3
D2
D1
S3
G3
S2
G2
S1
G1
A
K
R115
0.1W 10k
R118
0.1W 10k
R123
0.1W 10k
C106
450V
C107
450V
R109
R110
R111
R104
0.1W 121k
R105
0.1W 121k
R106
0.1W 121k
R108
0.1W 121k
R107
0
R116
0.5W 47
R120
0.5W 47
R125
0.5W 47
C115
630V 4700p
R131
499k
R127
0.1W 18k
R128
0.1W 18k
R129
0.1W 18k
R132
0.1W 249k
R133
0.1W 249k
R140
0.1W 549k
R141
0.1W 549k
R142
0.1W 549k
C116
450V 220
C117
450V 220
C127
450V 220
R150
0.1W 249k
R151
0.1W 249k
C119
250V 330p
X1
PFC
X3
PG
X8
BIAS_PFC
C120
50V 0.1
R137
0.1W 12k
C110
50V 470p
R135
0.1W 10k
R138
0.1W 470k
R139
0.1W 33k
C114
50V 100p
C122
50V 0.1
R147
0.1W 39k
R113
0.1W 33k
C123
50V 0.1
R130
0.1W 100k
R134
0.1W 47
C109
50V 0.1
ON/OFF_PFC
(P2/3)
X7
IC101
POWER FACTOR CORRECTOR
Vcc
VC
IFB
IIN
VFB
VIN-
ON/OFF
IDET
VDET
GND
OVP
SYNC
CT
REF
CS
OUT
R143
0.1W 6.04k
R119
0.1W 100
R124
OPEN
Q103
R117
0.5W 33
Q104
C112
25V 47
D109
C515
50V 0.1
PC506
SEPBIAL1V
Q106
2SD1819A
R149
0.1W 39k
C129
50V 0.1
R114
0.1W 2.7k
ZD101
MA8051
C105
OPEN
C108
50V 0.022
C121
50V 0.022
C113
50V 470p
R136
0.1W 31.6k
C118
50V 0.1
C111
50V 1000p
R146
0.1W 680k
R145
0.1W 200k
C128
10V 10
R144
0.1W 6.19k
D107
MA111
R122
0.1W 150k
BIAS_GND
(P2/3)
X3
X2
STB
X13
Vcc
D501
S1WBA80
AC +
AC −
D503
ERA22-10
R509
0.1W 825k
R511
0.1W 825k
R514
0.1W 825k
X21
AC_L
R510
0.1W 825k
R512
0.1W 825k
R515
0.1W 825k
X22
AC_N
C501
0.047
R503
0.5W 470k
D502
ERA22-10
R501
0.5W 470k
Q501
2SK3302
R507
0.1W 330k
C502
50V 0.1
R505
0.1W 330k
D504
OPEN
Q502
R508
0.1W 330k
C503
50V 0.1
D505
MA111
X6
DISCHG
D108
OPEN
X4
PG_STB
P-BOARD ETXMM610MEF (1/2)

TH-50PX60U P-Board (1 of 2) Schematic Diagram

TH-50PX60U P-Board (1 of 2) Schematic Diagram

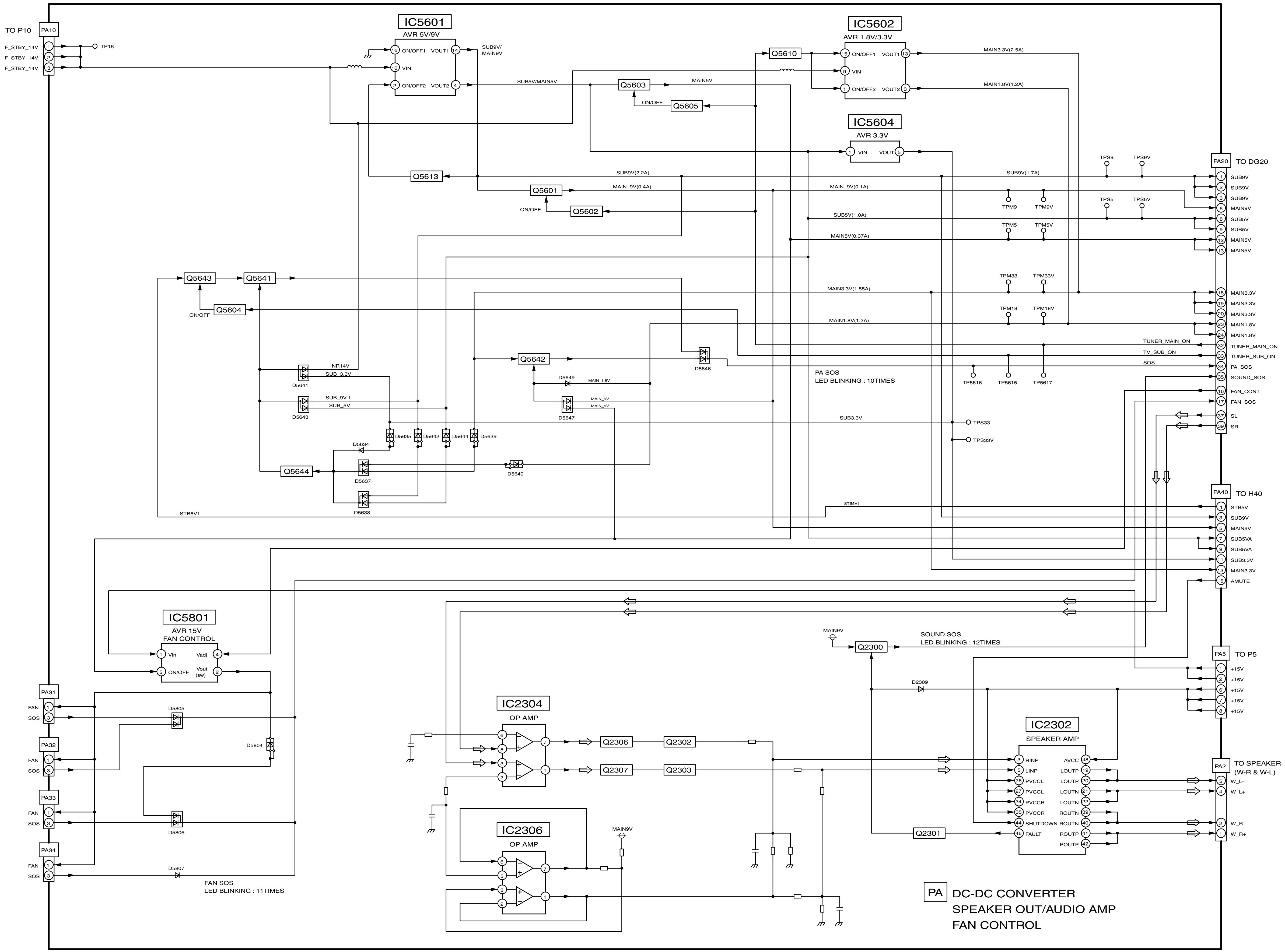
14.5. P-Board (2 of 2) Schematic Diagram


P-BOARD ETXMM610MEF (2/2)
MC601
POWER CONTROL MODULE
<Exchange board only>
IC501
MIP3E30MP
MC502
RELAY/ PFC CONTROL MODULE
<Exchange board only>
MC301
Vda/STB POWER CONTROL MODULE
<Exchange board only>
MC701
POWER MCU MODULE
<exchange board only>
MC201
Vsus POWER SUPPLY
<Exchange board only>
MC202
Vsus POWER SUPPLY
<Exchange board only>
HOT
COLD
T301
ETB50LZ116AD
T201
ETB57LZ116AD
TO D-BOARD (D25)
TO PA-BOARD (PA10)
TO PA-BOARD (PA5)
TO SC-BOARD (SC23)
TO SS-BOARD (SS12)
TO SC-BOARD (SC2)
TO SS-BOARD (SS11)
MAIN SW (ON SYSTEM)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

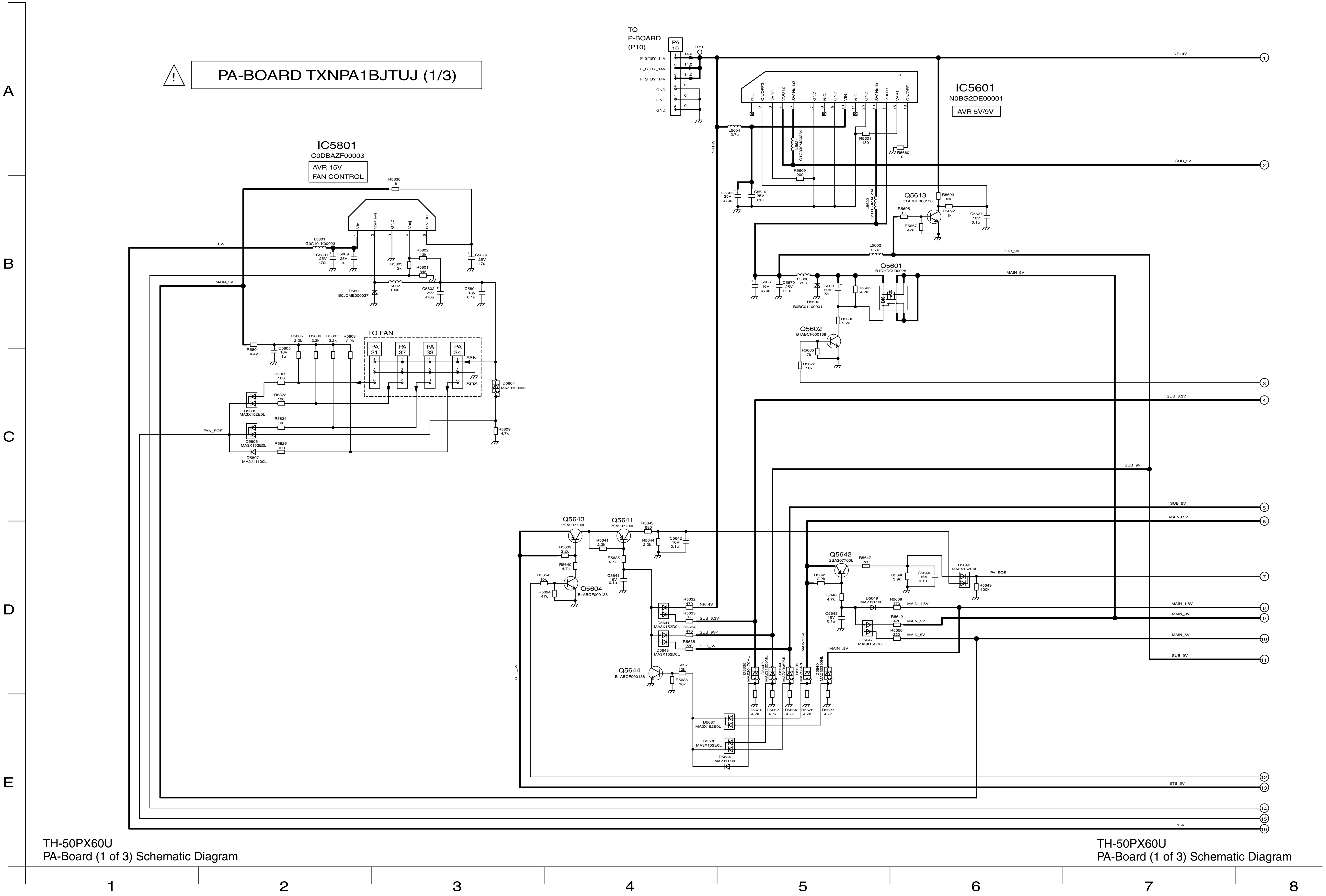
TH-50PX60U P-Board (2 of 2) Schematic Diagram

TH-50PX60U P-Board (2 of 2) Schematic Diagram

14.6. PA-Board Block Diagram


TO P10
PA10
F_STBY_14V
F_STBY_14V
F_STBY_14V
TP16
IC5601
AVR 5V/9V
ON/OFF1
VOUT1
VIN
ON/OFF2
VOUT2
SUB9V/MAIN9V
SUB5V/MAIN5V
Q5603
MAIN5V
ON/OFF
Q5605
Q5610
IC5602
AVR 1.8V/3.3V
MAIN3.3V(2.5A)
MAIN1.8V(1.2A)
IC5604
AVR 3.3V
Q5613
SUB9V(2.2A)
SUB9V(1.7A)
Q5601
MAIN_9V(0.4A)
MAIN_9V(0.1A)
Q5602
SUB5V(1.0A)
MAIN5V(0.37A)
MAIN3.3V(1.55A)
MAIN1.8V(1.2A)
TPS9
TPS9V
TPS5
TPS5V
TPM9
TPM9V
TPM5
TPM5V
TPM33
TPM33V
TPM18
TPM18V
PA20
TO DG20
SUB9V
SUB9V
SUB9V
MAIN9V
SUB5V
SUB5V
MAIN5V
MAIN5V
MAIN3.3V
MAIN3.3V
MAIN3.3V
MAIN1.8V
MAIN1.8V
TUNER_MAIN_ON
TUNER_SUB_ON
PA_SOS
SOUND_SOS
FAN_CONT
FAN_SOS
SL
SR
TUNER_MAIN_ON
TV_SUB_ON
SOS
Q5643
Q5641
Q5604
Q5642
Q5644
NR14V
SUB_3.3V
SUB_9V-1
SUB_5V
D5641
D5643
D5649
MAIN_1.8V
MAIN_9V
MAIN_5V
D5647
D5646
PA SOS
LED BLINKING : 10TIMES
TP5616
TP5615
TP5617
SUB3.3V
TPS33
TPS33V
D5635
D5642
D5644
D5639
D5634
D5637
D5638
D5640
STB5V1
STB5V1
PA40
TO H40
STB5V
SUB9V
MAIN9V
SUB5VA
SUB5VA
SUB3.3V
MAIN3.3V
AMUTE
IC5801
AVR 15V
FAN CONTROL
Vin
Vadj
ON/OFF
Vout (sw)
PA31
FAN
SOS
D5805
D5804
PA32
FAN
SOS
PA33
FAN
SOS
D5806
PA34
FAN
SOS
D5807
FAN SOS
LED BLINKING : 11TIMES
IC2304
OP AMP
Q2306
Q2302
Q2307
Q2303
IC2306
OP AMP
MAIN9V
MAIN9V
Q2300
SOUND SOS
LED BLINKING : 12TIMES
D2309
PA5
TO P5
+15V
+15V
+15V
+15V
+15V
IC2302
SPEAKER AMP
RINP
LINP
PVCCL
PVCCL
PVCCR
PVCCR
SHUTDOWN
FAULT
AVCC
LOUTP
LOUTP
LOUTN
LOUTN
ROUTN
ROUTN
ROUTP
ROUTP
Q2301
PA2
TO SPEAKER (W-R & W-L)
W_L-
W_L+
W_R-
W_R+
PA
DC-DC CONVERTER
SPEAKER OUT/AUDIO AMP
FAN CONTROL

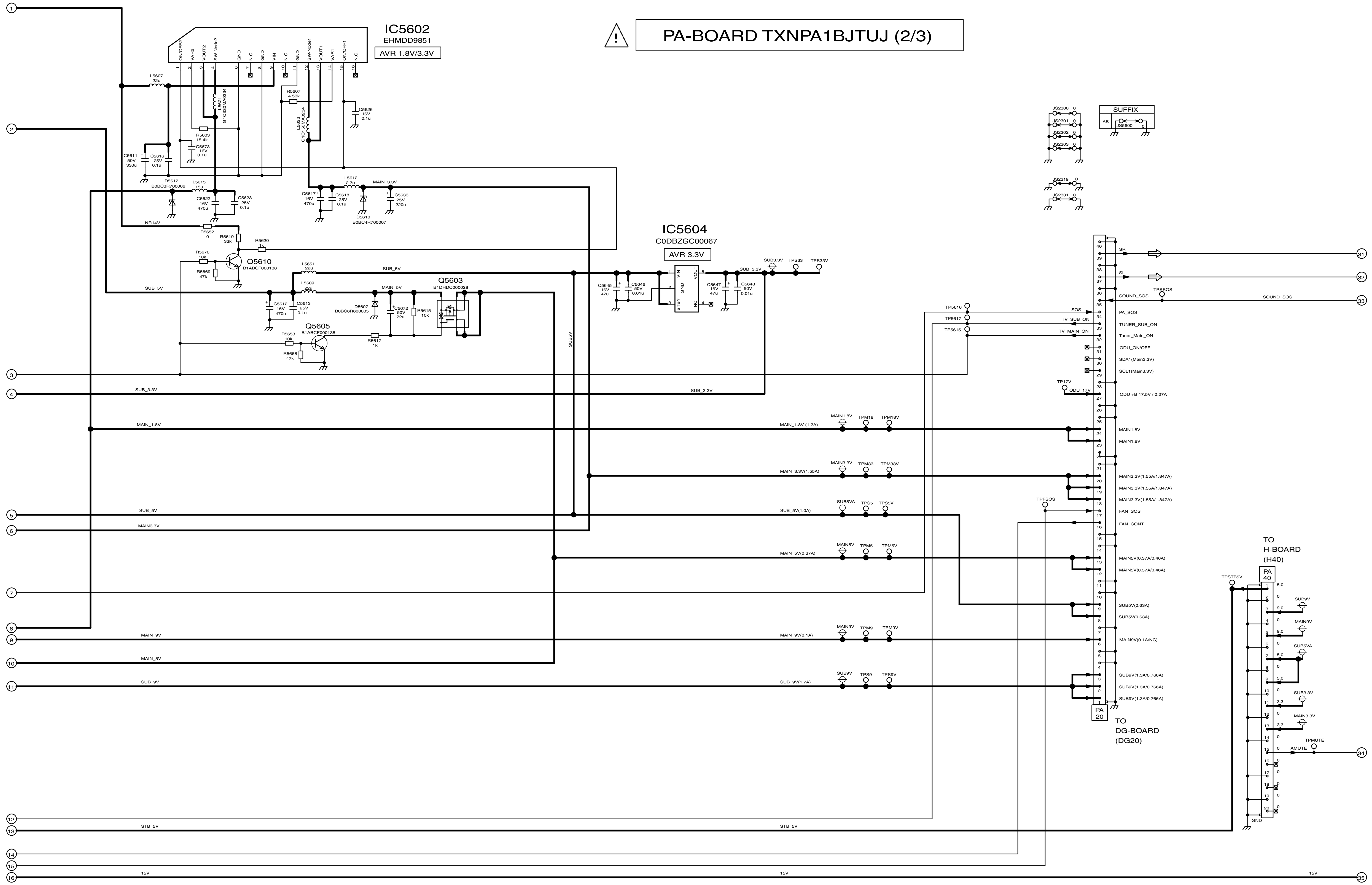
14.7. PA-Board (1 of 3) Schematic Diagram


PA-BOARD TXNPA1BJTUJ (1/3)
A
B
C
D
E
1
2
3
4
5
6
7
8
IC5801
C0DBAZF00003
AVR 15V
FAN CONTROL
Vin
Vout(sw)
GND
Vadj
ON/OFF
L5801
G0C101K00023
L5802
100u
D5801
B0JCME000037
R5836
1k
R5802
R5803
2k
R5801
845
C5801
C5809
C5802
C5804
C5810
15V
MAIN_5V
TO FAN
PA 31
PA 32
PA 33
PA 34
FAN
SOS
R5804
4.4V
C5805
R5805
R5806
R5807
R5808
R5822
R5823
R5824
R5826
D5805
MA3X152E0L
D5806
MA3X152E0L
D5807
MA2J11100L
D5804
MAZ31200ML
R5809
4.7k
FAN_SOS
TO
P-BOARD
(P10)
PA 10
TP16
F_STBY_14V
F_STBY_14V
F_STBY_14V
GND
GND
GND
NR14V
IC5601
N0BG2DE00001
AVR 5V/9V
N.C.
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
N.C.
GND
VIN
N.C.
GND
SW-Node1
VOUT1
VAR1
ON/OFF1
L5604
2.7u
L5624
G1C100MA0234
L5622
G1C100MA0234
R5601
180
R5660
0
R5609
200
C5605
C5619
Q5613
B1ABCF000138
R5693
33k
R5695
10k
R5692
1k
R5667
47k
C5637
SUB_5V
SUB_9V
MAIN_9V
L5602
2.7u
Q5601
B1DHDC000028
C5606
C5670
L5606
22u
C5609
D5606
B0BC01100001
R5605
4.7k
R5606
2.2k
Q5602
B1ABCF000138
R5665
47k
R5672
10k
SUB_3.3V
Q5643
2SA2077O0L
Q5641
2SA2077O0L
R5643
680
R5641
2.2k
R5639
2.2k
R5640
4.7k
R5644
2.2k
C5642
R5625
4.7k
C5641
R5654
10k
R5694
47k
Q5604
B1ABCF000138
Q5642
2SA2077O0L
R5647
220
R5645
2.2k
R5648
3.9k
C5644
D5646
MA3X152E0L
R5649
100k
PA_SOS
R5646
4.7k
C5643
D5649
MA2J11100L
R5659
470
R5642
470
R5650
220
D5647
MA3X152D0L
MAIN_1.8V
MAIN_9V
MAIN_5V
MAIN3.3V
R5632
R5633
R5634
R5635
D5641
MA3X152D0L
D5643
MA3X152D0L
SUB_9V-1
Q5644
B1ABCF000138
R5637
10k
R5638
10k
D5635
D5642
D5644
D5639
D5640
R5621
R5662
R5664
R5626
R5627
D5637
MA3X152E0L
D5638
MA3X152E0L
D5634
MA2J11100L
MAIN1.8V
STB_5V
15V
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯

TH-50PX60U
PA-Board (1 of 3) Schematic Diagram

TH-50PX60U
PA-Board (1 of 3) Schematic Diagram

14.8. PA-Board (2 of 3) Schematic Diagram

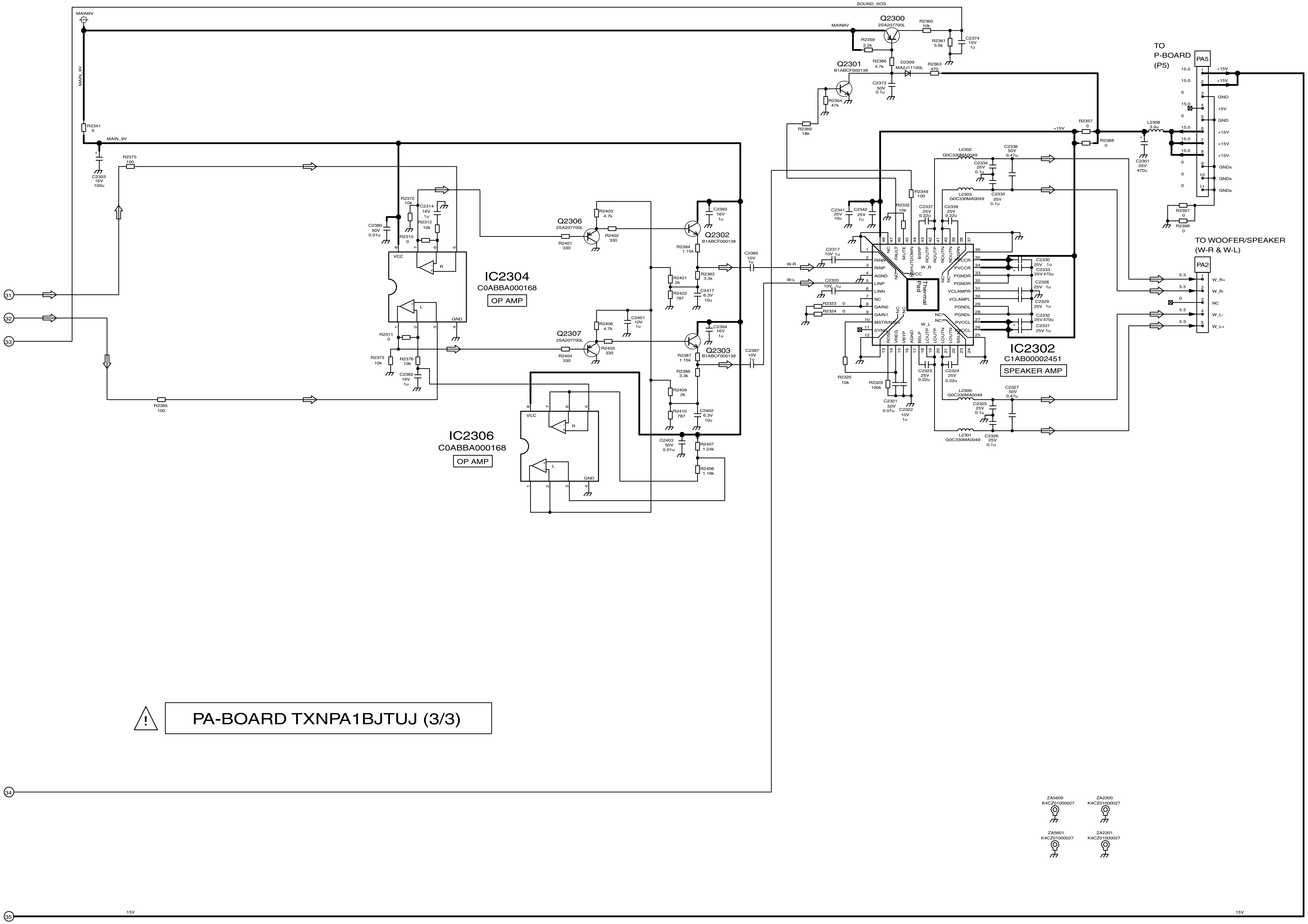

PA-BOARD TXNPA1BJTUJ (2/3)
IC5602
EHMDD9851
AVR 1.8V/3.3V
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
N.C.
GND
VIN
N.C.
GND
SW-Node1
VOUT1
VAR1
ON/OFF1
N.C.
L5607 22u
R5607 4.53k
C5626 16V 0.1u
L5671 G1C330MA0234
L5623 G1C150MA0234
R5603 15.4k
C5673 16V 0.1u
C5611 50V 330u
C5616 25V 0.1u
D5612 B0BC3R700006
L5615 15u
C5622 16V 470u
C5623 25V 0.1u
L5612 2.7u
MAIN_3.3V
C5617 16V 470u
C5618 25V 0.1u
C5633 25V 220u
D5610 B0BC4R700007
NR14V
R5652 0
R5619 33k
R5620 1k
R5676 10k
R5669 47k
Q5610
B1ABCF000138
L5651 22u
SUB_5V
L5609 22u
MAIN_5V
Q5603
B1DHDC000028
C5612 16V 470u
C5613 25V 0.1u
D5607 B0BC6R600005
C5672 50V 22u
R5615 10k
Q5605
B1ABCF000138
R5653 10k
R5668 47k
R5617 1k
SUB5V
IC5604
C0DBZGC00067
AVR 3.3V
VIN
GND
VOUT
STBY
NC
C5645 16V 47u
C5646 50V 0.01u
C5647 16V 47u
C5648 50V 0.01u
SUB_3.3V
SUB3.3V
TPS33
TPS33V
SUB_3.3V
MAIN_1.8V
MAIN_1.8V (1.2A)
MAIN1.8V TPM18 TPM18V
MAIN_3.3V(1.55A)
MAIN3.3V TPM33 TPM33V
SUB_5V
SUB_5V(1.0A)
SUB5VA TPS5 TPS5V
MAIN3.3V
MAIN_5V(0.37A)
MAIN5V TPM5 TPM5V
MAIN_9V
MAIN_9V(0.1A)
MAIN9V TPM9 TPM9V
MAIN_5V
SUB_9V
SUB_9V(1.7A)
SUB9V TPS9 TPS9V
STB_5V
15V
JS2300 0
JS2301 0
JS2302 0
JS2303 0
JS2319 0
JS2331 0
SUFFIX
AB JS5600 0
TP5616
TP5617
TP5615
SOS
TV_SUB_ON
TV_MAIN_ON
TP17V
ODU_17V
TPFSOS
TPSSOS
SR
SL
SOUND_SOS
PA_SOS
TUNER_SUB_ON
Tuner_Main_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
ODU +B 17.5V / 0.27A
MAIN1.8V
MAIN1.8V
MAIN3.3V(1.55A/1.847A)
MAIN3.3V(1.55A/1.847A)
MAIN3.3V(1.55A/1.847A)
FAN_SOS
FAN_CONT
MAIN5V(0.37A/0.46A)
MAIN5V(0.37A/0.46A)
SUB5V(0.63A)
SUB5V(0.63A)
MAIN9V(0.1A/NC)
SUB9V(1.3A/0.766A)
SUB9V(1.3A/0.766A)
SUB9V(1.3A/0.766A)
PA 20
TO DG-BOARD (DG20)
TO H-BOARD (H40)
PA 40
TPSTB5V
SUB9V
MAIN9V
SUB5VA
SUB3.3V
MAIN3.3V
TPMUTE
AMUTE
GND
5.0
9.0
9.0
5.0
5.0
3.3
3.3
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
31
32
33
34
35

TH-50PX60U
PA-Board (2 of 3) Schematic Diagram

TH-50PX60U
PA-Board (2 of 3) Schematic Diagram

8 9 10 11 12 13 14 15

14.9. PA-Board (3 of 3) Schematic Diagram

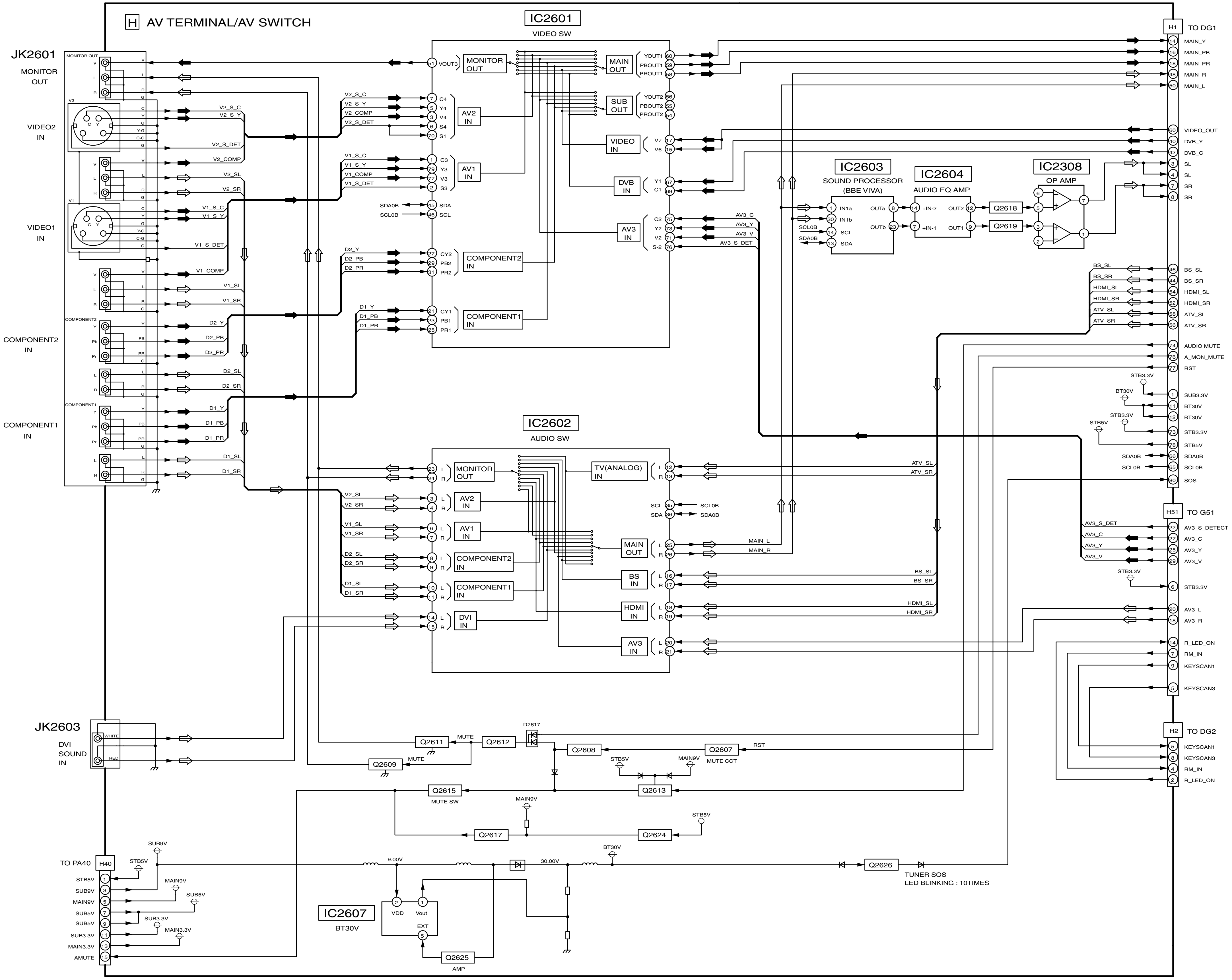

MAIN9V
MAIN_9V
SOUND_SOS
Q2300
2SA207700L
Q2301
B1ABCF000138
Q2302
B1ABCF000138
Q2303
B1ABCF000138
Q2306
2SA207700L
Q2307
2SA207700L
D2309
MA2J11100L
IC2304
C0ABBA000168
OP AMP
IC2306
C0ABBA000168
OP AMP
IC2302
C1AB00002451
SPEAKER AMP
Thermal Pad
TO
P-BOARD
(P5)
PA5
+15V
GND
15V
GNDs
TO WOOFER/SPEAKER
(W-R & W-L)
PA2
W_R+
W_R-
NC
W_L-
W_L+
W-R
W-L
L2300
L2301
L2302
L2303
L2308
G0C330MA0049
ZA5600
ZA5601
ZA2300
ZA2301
K4CZ01000027
31
32
33
34
35
15V
PA-BOARD TXNPA1BJTUJ (3/3)

TH-50PX60U
PA-Board (3 of 3) Schematic Diagram

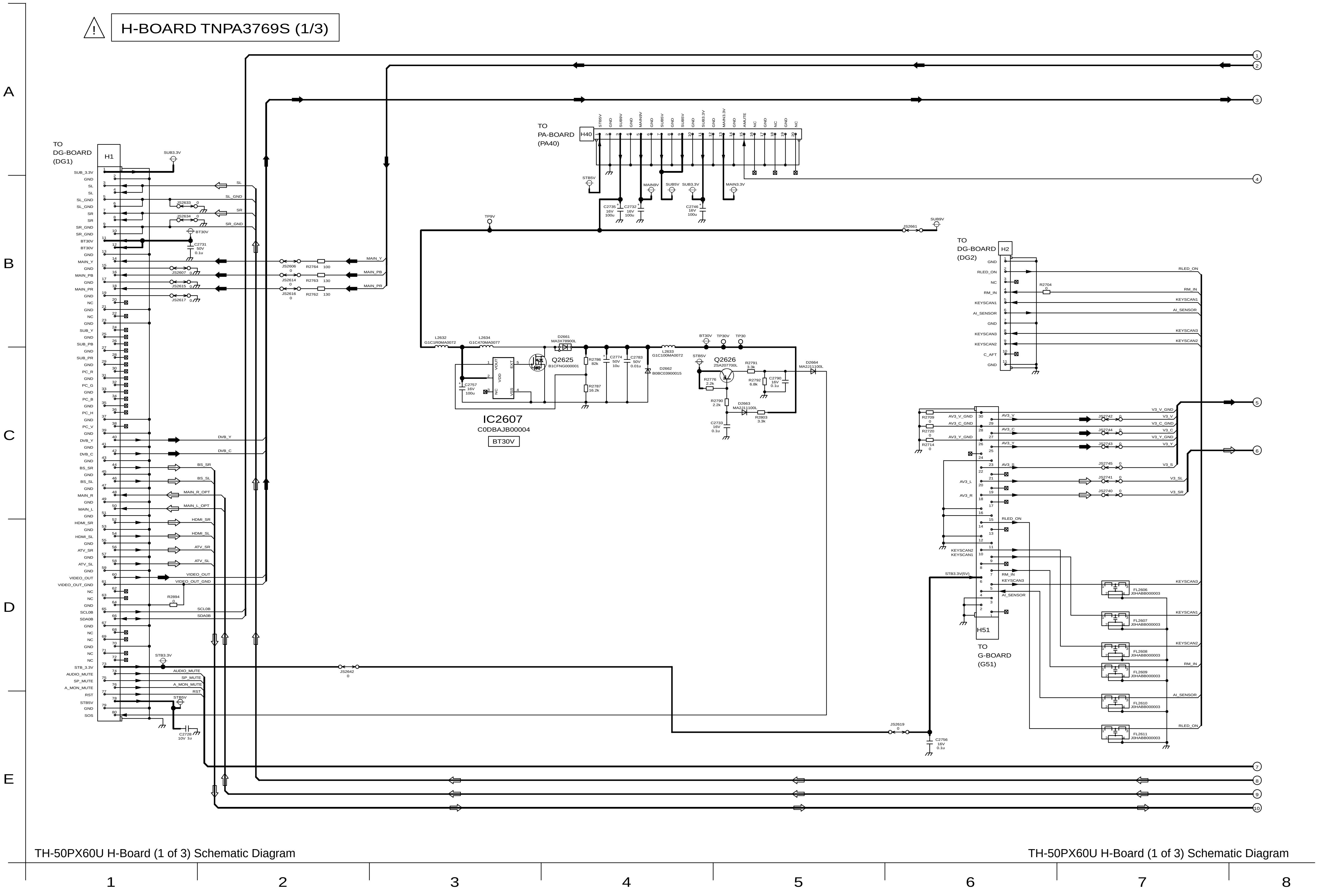
TH-50PX60U
PA-Board (3 of 3) Schematic Diagram

16 17 18 19 20 21 22 23

14.10. H-Board Block Diagram


H AV TERMINAL/AV SWITCH
IC2601
VIDEO SW
IC2602
AUDIO SW
IC2603
SOUND PROCESSOR
(BBE VIVA)
IC2604
AUDIO EQ AMP
IC2308
OP AMP
IC2607
BT30V
JK2601
MONITOR
OUT
VIDEO2
IN
VIDEO1
IN
COMPONENT2
IN
COMPONENT1
IN
JK2603
DVI
SOUND
IN
WHITE
RED
MONITOR OUT
MAIN OUT
SUB OUT
VIDEO IN
DVB IN
AV3 IN
AV2 IN
AV1 IN
COMPONENT2 IN
COMPONENT1 IN
TV(ANALOG) IN
BS IN
HDMI IN
DVI IN
VOUT3
YOUT1
PBOUT1
PROUT1
YOUT2
PBOUT2
PROUT2
V2_S_C
V2_S_Y
V2_COMP
V2_S_DET
V2_SL
V2_SR
V1_S_C
V1_S_Y
V1_COMP
V1_S_DET
V1_SL
V1_SR
D2_Y
D2_PB
D2_PR
D2_SL
D2_SR
D1_Y
D1_PB
D1_PR
D1_SL
D1_SR
SDA0B
SCL0B
SDA
SCL
AV3_C
AV3_Y
AV3_V
AV3_S_DET
IN1a
IN1b
OUTa
OUTb
+IN-2
+IN-1
OUT2
OUT1
Q2618
Q2619
ATV_SL
ATV_SR
MAIN_L
MAIN_R
BS_SL
BS_SR
HDMI_SL
HDMI_SR
H1
TO DG1
MAIN_Y
MAIN_PB
MAIN_PR
MAIN_R
MAIN_L
VIDEO_OUT
DVB_Y
DVB_C
SL
SR
AUDIO MUTE
A_MON_MUTE
RST
SUB3.3V
BT30V
STB3.3V
STB5V
SOS
H51
TO G51
AV3_S_DETECT
AV3_C
AV3_Y
AV3_V
AV3_L
AV3_R
R_LED_ON
RM_IN
KEYSCAN1
KEYSCAN3
H2
TO DG2
Q2611
MUTE
Q2612
D2617
Q2608
Q2607
MUTE CCT
Q2609
Q2615
MUTE SW
Q2613
MAIN9V
Q2617
Q2624
Q2626
TUNER SOS
LED BLINKING : 10TIMES
9.00V
30.00V
VDD
Vout
EXT
Q2625
AMP
TO PA40
H40
STB5V
SUB9V
MAIN9V
SUB5V
SUB3.3V
MAIN3.3V
AMUTE

14.11. H-Board (1 of 3) Schematic Diagram

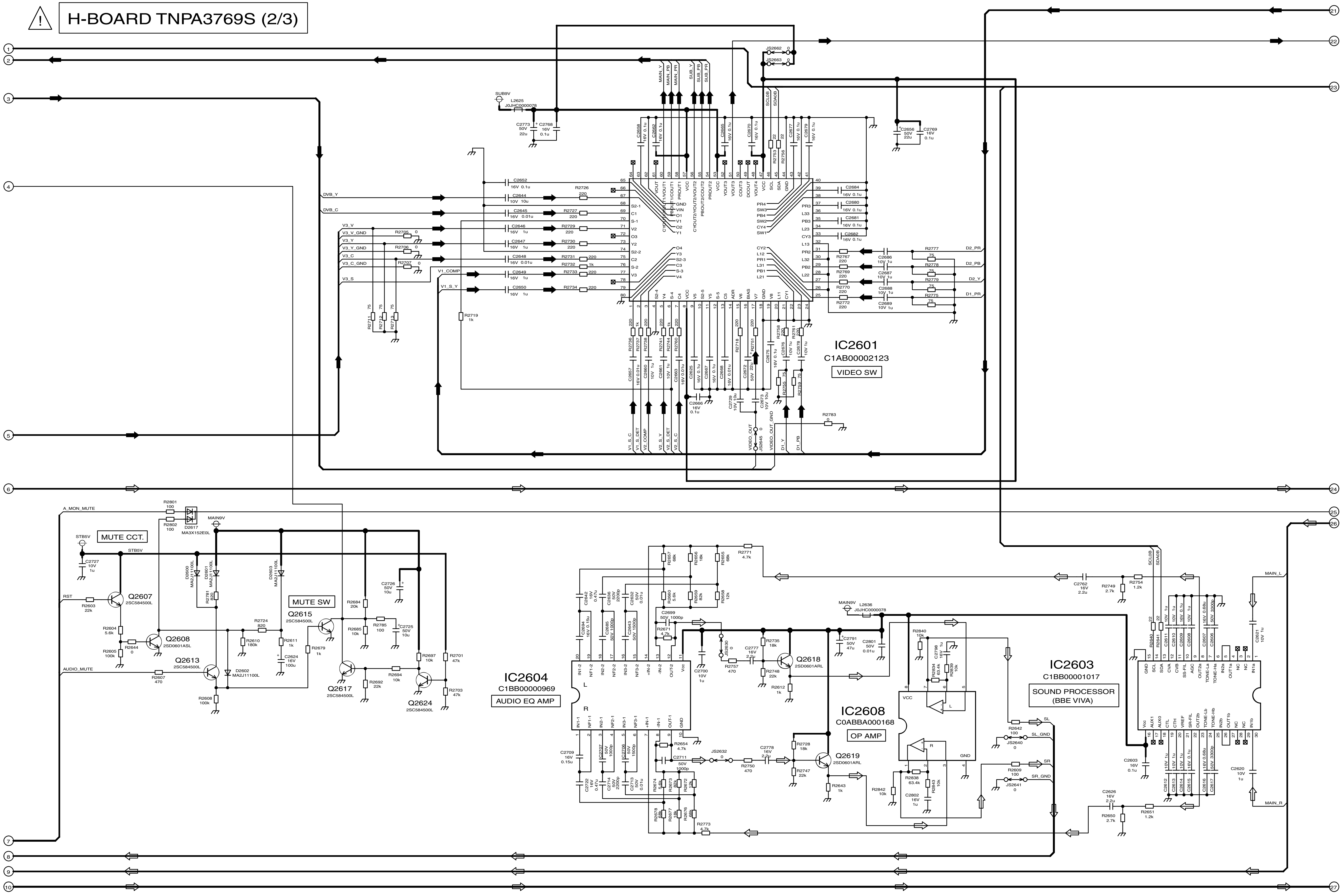


H-BOARD TNPA3769S (1/3)
TO DG-BOARD (DG1)
H1
TO PA-BOARD (PA40)
H40
TO DG-BOARD (DG2)
H2
TO G-BOARD (G51)
H51
IC2607
C0DBAJB00004
BT30V
Q2625
B1CFNG000001
Q2626
2SA2077O0L
L2632
G1C1R0MA0072
L2634
G1C470MA0077
L2633
G1C100MA0072
D2661
MA3X78900L
D2662
B0BC03900015
D2663
MA2J11100L
D2664
MA2J11100L
TP9V
TP30V
TP30
SUB3.3V
STB3.3V
STB5V
SUB9V
MAIN9V
SUB5V
MAIN3.3V
MAIN_Y
MAIN_PB
MAIN_PR
DVB_Y
DVB_C
BS_SR
BS_SL
MAIN_R_OPT
MAIN_L_OPT
HDMI_SR
HDMI_SL
ATV_SR
ATV_SL
VIDEO_OUT
VIDEO_OUT_GND
SCL0B
SDA0B
AUDIO_MUTE
SP_MUTE
A_MON_MUTE
RST
RLED_ON
RM_IN
KEYSCAN1
AI_SENSOR
KEYSCAN3
KEYSCAN2
V3_V_GND
V3_V
V3_C_GND
V3_C
V3_Y_GND
V3_Y
V3_S
V3_SL
V3_SR
FL2606
FL2607
FL2608
FL2609
FL2610
FL2611
J0HABB000003
A
B
C
D
E
1
2
3
4
5
6
7
8

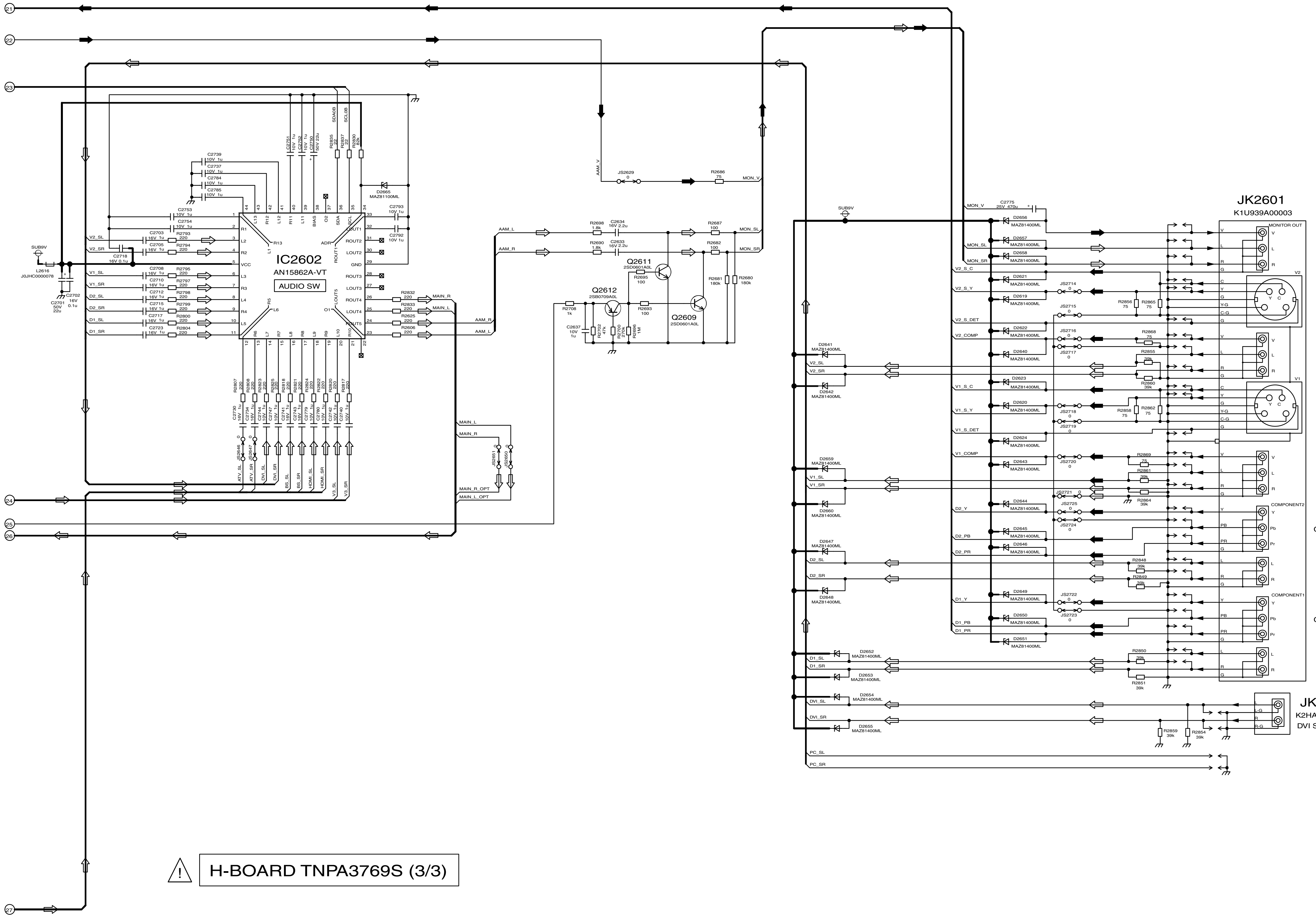
TH-50PX60U H-Board (1 of 3) Schematic Diagram

TH-50PX60U H-Board (1 of 3) Schematic Diagram

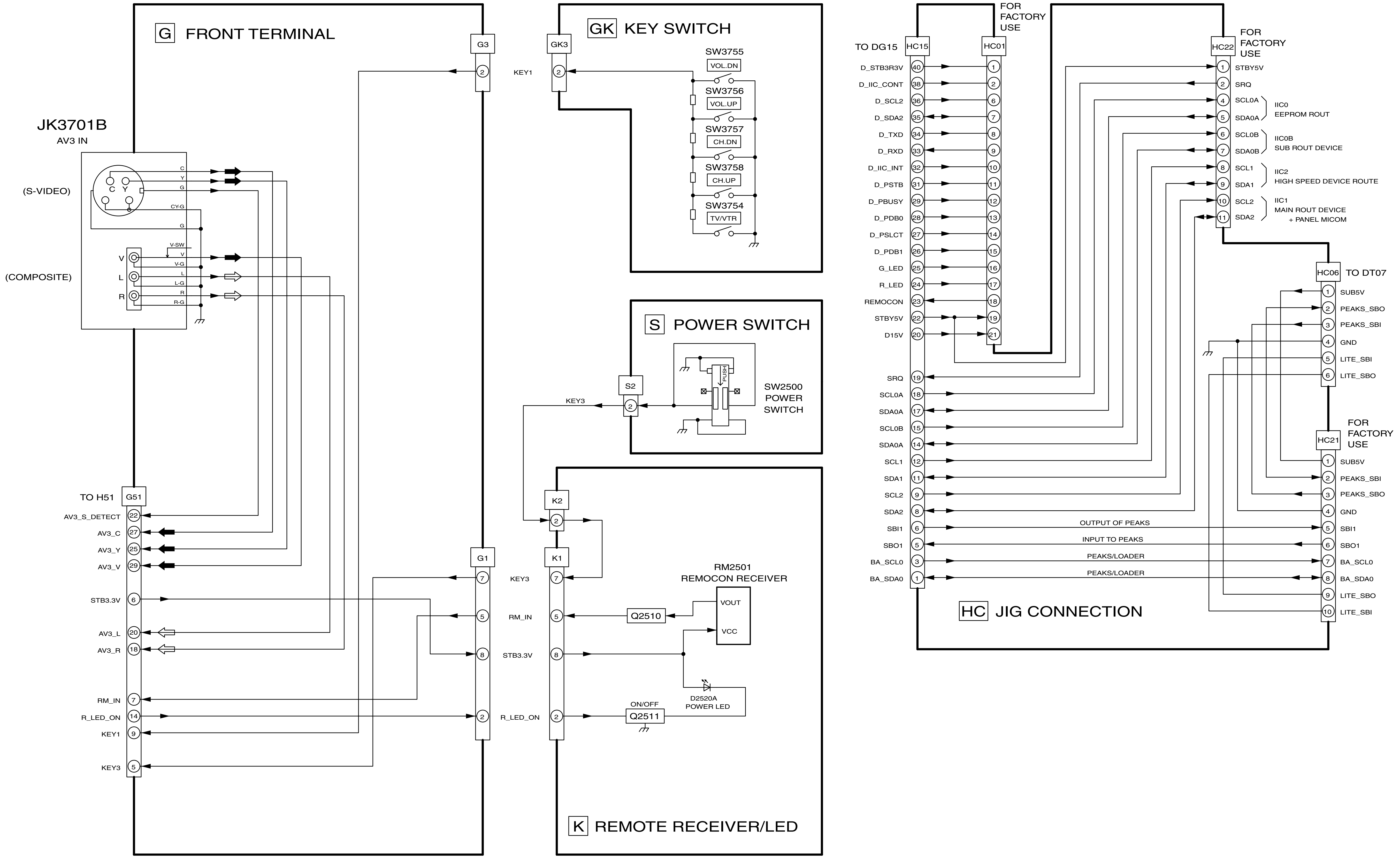
14.12. H-Board (2 of 3) Schematic Diagram


H-BOARD TNPA3769S (2/3)
IC2601
C1AB00002123
VIDEO SW
IC2604
C1BB00000969
AUDIO EQ AMP
IC2603
C1BB00001017
SOUND PROCESSOR
(BBE VIVA)
IC2608
C0ABBA000168
OP AMP
MUTE CCT.
MUTE SW
Q2607
2SC584500L
Q2608
2SD0601ASL
Q2613
2SC584500L
Q2615
2SC584500L
Q2617
2SC584500L
Q2624
2SC584500L
Q2618
2SD0601ARL
Q2619
2SD0601ARL
D2617
MA3X152E0L
D2602
MA2J11100L
SUB9V
MAIN9V
STB5V
A_MON_MUTE
RST
AUDIO_MUTE
DVB_Y
DVB_C
V3_V
V3_V_GND
V3_Y
V3_Y_GND
V3_C
V3_C_GND
V3_S
V1_COMP
V1_S_Y
MAIN_Y
MAIN_PB
MAIN_PR
SUB_Y
SUB_PB
SUB_PR
SCL6B
SDA6B
D2_PR
D2_PB
D2_Y
D1_PR
D1_PB
D1_Y
VIDEO_OUT
VIDEO_OUT_GND
SL
SL_GND
SR
SR_GND
MAIN_L
MAIN_R
JS2662
JS2663
1
2
3
4
5
6
7
8
9
10
21
22
23
24
25
26
27

14.13. H-Board (3 of 3) Schematic Diagram

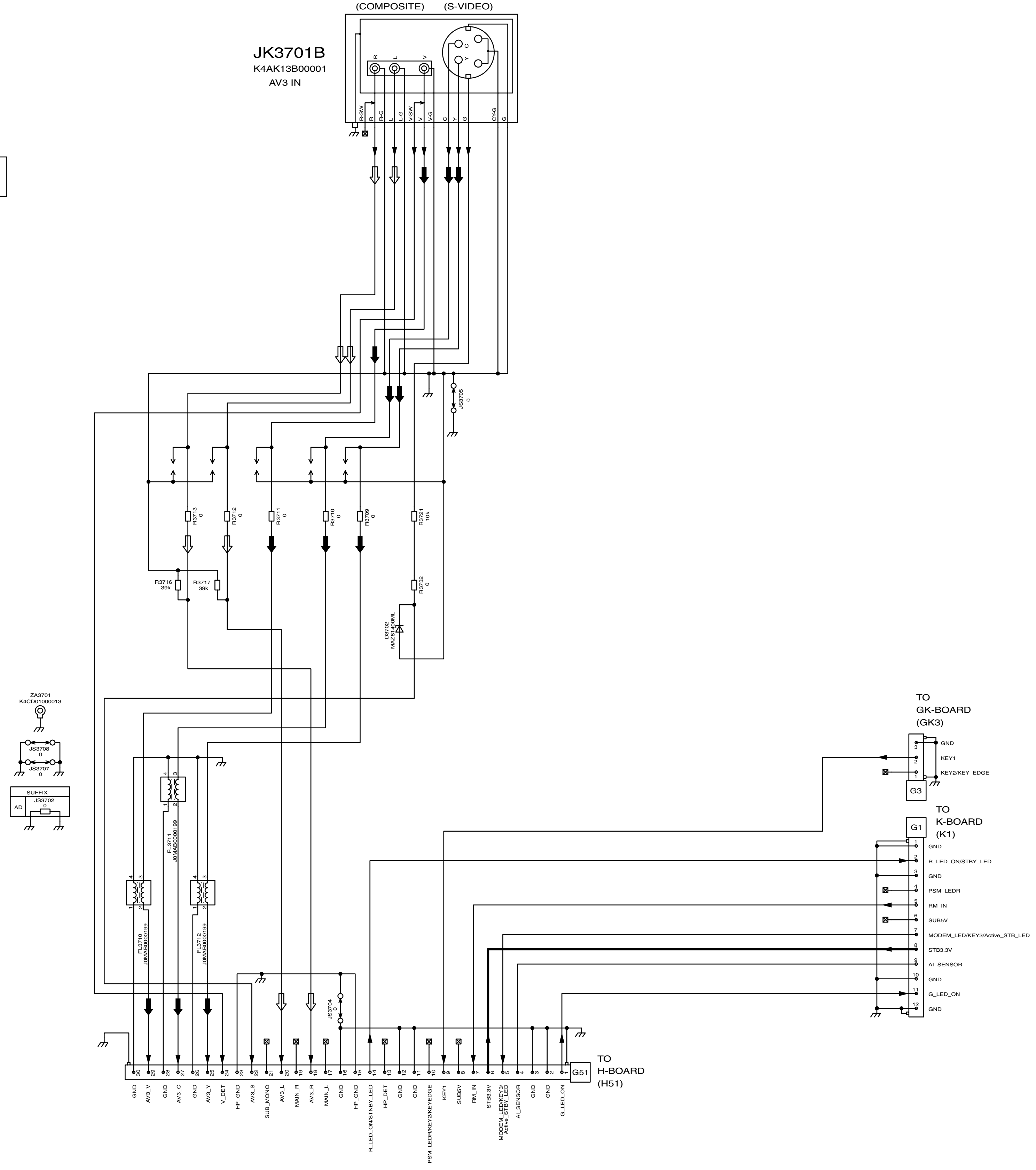

IC2602
AN15862A-VT
AUDIO SW
Q2611
2SD0601A0L
Q2612
2SB0709A0L
Q2609
2SD0601A0L
JK2601
K1U939A00003
MONITOR OUT
VIDEO2 IN
VIDEO1 IN
COMPONENT2 IN
COMPONENT1 IN
JK2603
K2HA204A0041
DVI SOUND IN
SUB9V
L2616
J0JHC0000078
D2665
MAZ81100ML
MAIN_L
MAIN_R
MAIN_R_OPT
MAIN_L_OPT
AAM_L
AAM_R
AAM_V
MON_V
MON_SL
MON_SR
V2_SL
V2_SR
V1_SL
V1_SR
D2_SL
D2_SR
D1_SL
D1_SR
DVI_SL
DVI_SR
PC_SL
PC_SR
V2_S_C
V2_S_Y
V2_S_DET
V2_COMP
V1_S_C
V1_S_Y
V1_S_DET
V1_COMP
D2_Y
D2_PB
D2_PR
D1_Y
D1_PB
D1_PR
ATV_SL
ATV_SR
DVI_SL
BS_SL
BS_SR
HDMI_SL
HDMI_SR
V3_SL
V3_SR
H-BOARD TNPA3769S (3/3)
21
22
23
24
25
26
27

14.14. G, GK, HC, K and S-Board Block Diagram


G FRONT TERMINAL
G3
2
JK3701B
AV3 IN
(S-VIDEO)
(COMPOSITE)
C
Y
G
CY-G
G
V-SW
V
V-G
L
L-G
R
R-G
TO H51
G51
AV3_S_DETECT 22
AV3_C 27
AV3_Y 25
AV3_V 29
STB3.3V 6
AV3_L 20
AV3_R 18
RM_IN 7
R_LED_ON 14
KEY1 9
KEY3 5
G1
7
5
8
2
GK3
KEY1
GK KEY SWITCH
SW3755
VOL.DN
SW3756
VOL.UP
SW3757
CH.DN
SW3758
CH.UP
SW3754
TV/VTR
S POWER SWITCH
S2
KEY3
SW2500
POWER
SWITCH
PUSH
K2
K1
KEY3 7
RM_IN 5
STB3.3V 8
R_LED_ON 2
RM2501
REMOCON RECEIVER
VOUT
VCC
Q2510
ON/OFF
Q2511
D2520A
POWER LED
K REMOTE RECEIVER/LED
TO DG15
HC15
D_STB3R3V 40
D_IIC_CONT 38
D_SCL2 36
D_SDA2 35
D_TXD 34
D_RXD 33
D_IIC_INT 32
D_PSTB 31
D_PBUSY 29
D_PDB0 28
D_PSLCT 27
D_PDB1 26
G_LED 25
R_LED 24
REMOCON 23
STBY5V 22
D15V 20
SRQ 19
SCL0A 18
SDA0A 17
SCL0B 15
SDA0A 14
SCL1 12
SDA1 11
SCL2 9
SDA2 8
SBI1 6
SBO1 5
BA_SCL0 3
BA_SDA0 1
FOR
FACTORY
USE
HC01
1
2
6
7
8
9
10
11
12
13
14
15
16
17
18
19
21
FOR
FACTORY
USE
HC22
1 STBY5V
2 SRQ
4 SCL0A
5 SDA0A
IIC0
EEPROM ROUT
6 SCL0B
7 SDA0B
IIC0B
SUB ROUT DEVICE
8 SCL1
9 SDA1
IIC2
HIGH SPEED DEVICE ROUTE
10 SCL2
11 SDA2
IIC1
MAIN ROUT DEVICE
+ PANEL MICOM
HC06
TO DT07
1 SUB5V
2 PEAKS_SBO
3 PEAKS_SBI
4 GND
5 LITE_SBI
6 LITE_SBO
FOR
FACTORY
USE
HC21
1 SUB5V
2 PEAKS_SBI
3 PEAKS_SBO
4 GND
5 SBI1
6 SBO1
7 BA_SCL0
8 BA_SDA0
9 LITE_SBO
10 LITE_SBI
OUTPUT OF PEAKS
INPUT TO PEAKS
PEAKS/LOADER
PEAKS/LOADER
HC JIG CONNECTION

14.15. G-Board Schematic Diagram

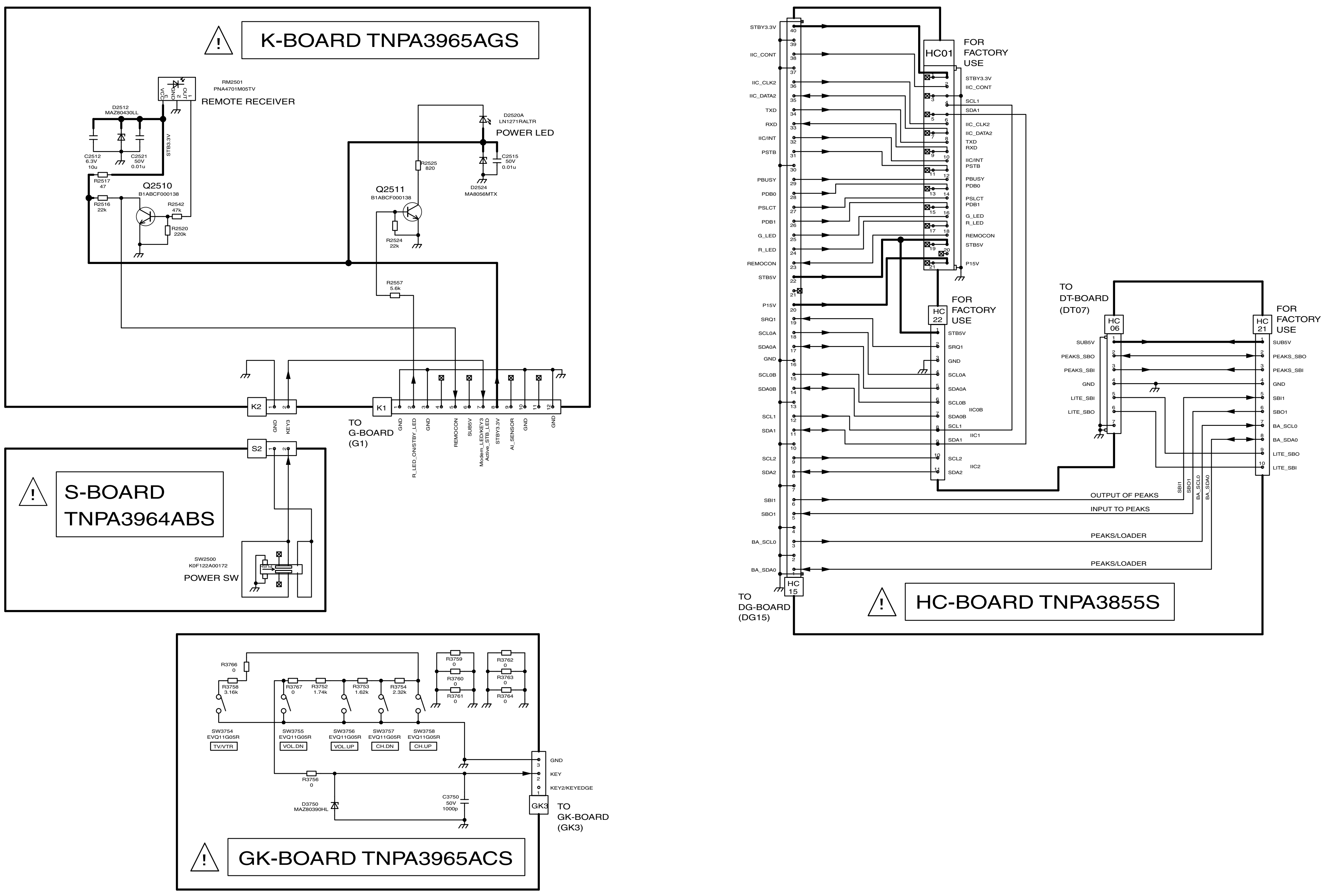
⚠ **G-BOARD TNPA3764ADS**


(COMPOSITE)
(S-VIDEO)
JK3701B
K4AK13B00001
AV3 IN
R
L
V
C
Y
R-SW
R
R-G
L
L-G
V-SW
V
V-G
C
Y
G
CY-G
G
JS3705
0
R3713
0
R3712
0
R3711
0
R3710
0
R3709
0
R3721
10k
R3716
39k
R3717
39k
R3732
0
D3702
MAZ81400ML
ZA3701
K4CD01000013
JS3708
0
JS3707
0
SUFFIX
AD
JS3702
0
FL3711
J0MAB0000199
FL3710
J0MAB0000199
FL3712
J0MAB0000199
JS3704
0
TO
GK-BOARD
(GK3)
G3
3 GND
2 KEY1
1 KEY2/KEY_EDGE
TO
K-BOARD
(K1)
G1
1 GND
2 R_LED_ON/STBY_LED
3 GND
4 PSM_LEDR
5 RM_IN
6 SUB5V
7 MODEM_LED/KEY3/Active_STB_LED
8 STB3.3V
9 AI_SENSOR
10 GND
11 G_LED_ON
12 GND
TO
H-BOARD
(H51)
G51
30 GND
29 AV3_V
28 GND
27 AV3_C
26 GND
25 AV3_Y
24 V_DET
23 HP_GND
22 AV3_S
21 SUB_MONO
20 AV3_L
19 MAIN_R
18 AV3_R
17 MAIN_L
16 GND
15 HP_GND
14 R_LED_ON/STNBY_LED
13 HP_DET
12 GND
11 GND
10 PSM_LEDR/KEY2/KEYEDGE
9 KEY1
8 SUB5V
7 RM_IN
6 STB3.3V
5 MODEM_LED/KEY3/Active_STBY_LED
4 AI_SENSOR
3 GND
2 GND
1 G_LED_ON
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-50PX60U
G-Board Schematic Diagram

TH-50PX60U
G-Board Schematic Diagram

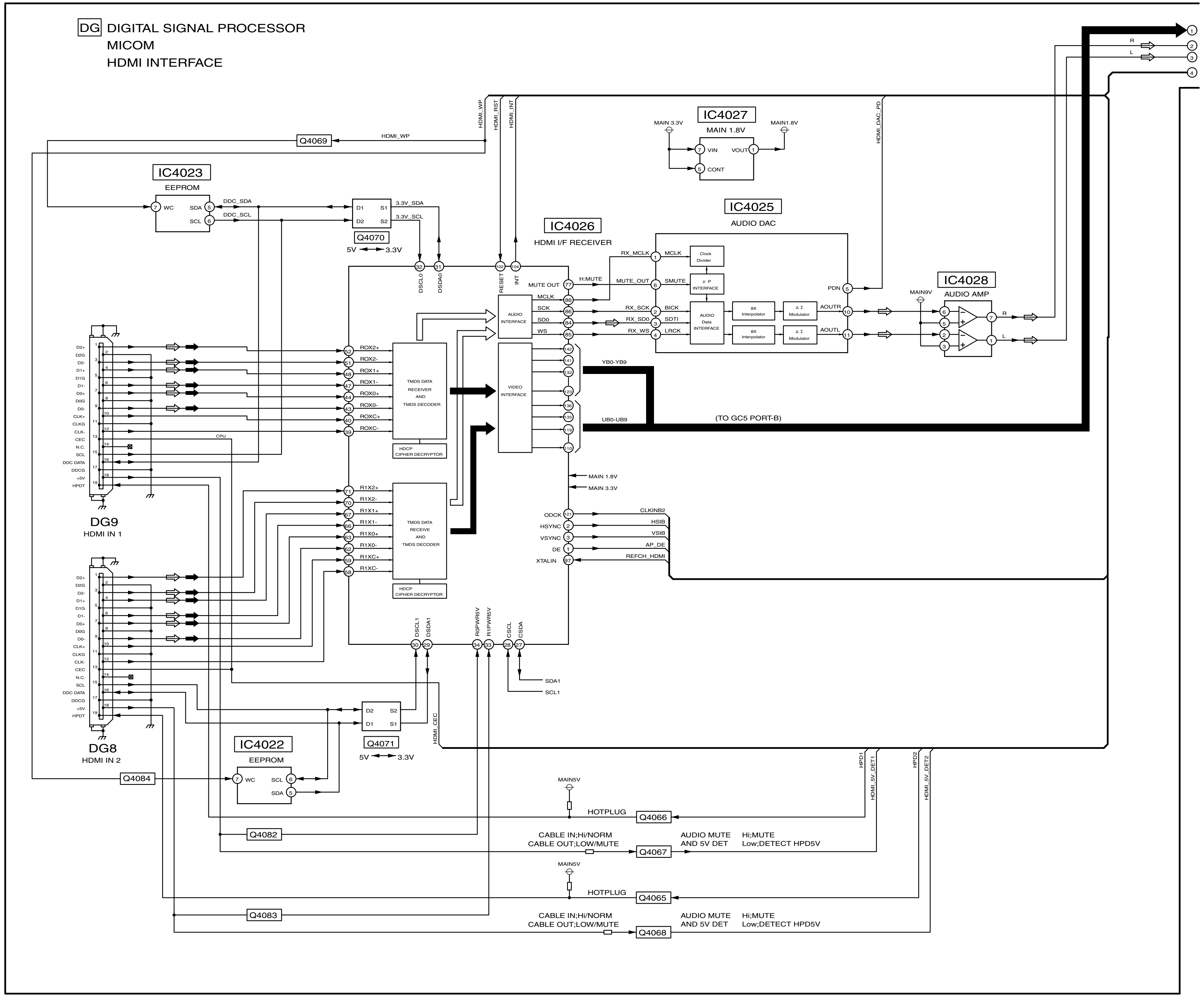
14.16. GK, K, HC and S-Board Schematic Diagram


K-BOARD TNPA3965AGS
RM2501
PNA4701M05TV
REMOTE RECEIVER
D2512
MAZ80430LL
C2512
6.3V
10u
C2521
50V
0.01u
STB3.3V
R2517
47
R2516
22k
Q2510
B1ABCF000138
R2542
47k
R2520
220k
D2520A
LN1271RALTR
POWER LED
R2525
820
C2515
50V
0.01u
D2524
MA8056MTX
Q2511
B1ABCF000138
R2524
22k
R2557
5.6k
K2
GND
KEY3
K1
TO
G-BOARD
(G1)
GND
R_LED_ON/STBY_LED
GND
REMOCON
SUB5V
Modem_LED/KEY3
Active_STB_LED
STBY3.3V
AI_SENSOR
GND
GND
S2
S-BOARD
TNPA3964ABS
SW2500
K0F122A00172
POWER SW
R3766
0
R3758
3.16k
R3767
0
R3752
1.74k
R3753
1.62k
R3754
2.32k
R3759
0
R3760
0
R3761
0
R3762
0
R3763
0
R3764
0
SW3754
EVQ11G05R
TV/VTR
SW3755
EVQ11G05R
VOL.DN
SW3756
EVQ11G05R
VOL.UP
SW3757
EVQ11G05R
CH.DN
SW3758
EVQ11G05R
CH.UP
R3756
0
D3750
MAZ80390HL
C3750
50V
1000p
GND
KEY
KEY2/KEYEDGE
GK3
TO
GK-BOARD
(GK3)
GK-BOARD TNPA3965ACS
STBY3.3V
IIC_CONT
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
G_LED
R_LED
REMOCON
STB5V
P15V
SRQ1
SCL0A
SDA0A
GND
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SBI1
SBO1
BA_SCL0
BA_SDA0
HC01
FOR
FACTORY
USE
SCL1
SDA1
HC
22
FOR
FACTORY
USE
STB5V
SRQ1
GND
SCL0A
SDA0A
SCL0B
SDA0B
IIC0B
SCL1
SDA1
IIC1
SCL2
SDA2
IIC2
TO
DT-BOARD
(DT07)
HC
06
SUB5V
PEAKS_SBO
PEAKS_SBI
GND
LITE_SBI
LITE_SBO
HC
21
FOR
FACTORY
USE
SUB5V
PEAKS_SBO
PEAKS_SBI
GND
SBI1
SBO1
BA_SCL0
BA_SDA0
LITE_SBO
LITE_SBI
OUTPUT OF PEAKS
INPUT TO PEAKS
PEAKS/LOADER
PEAKS/LOADER
HC
15
TO
DG-BOARD
(DG15)
HC-BOARD TNPA3855S
A
B
C
D
E
1
2
3
4
5
6
7
8

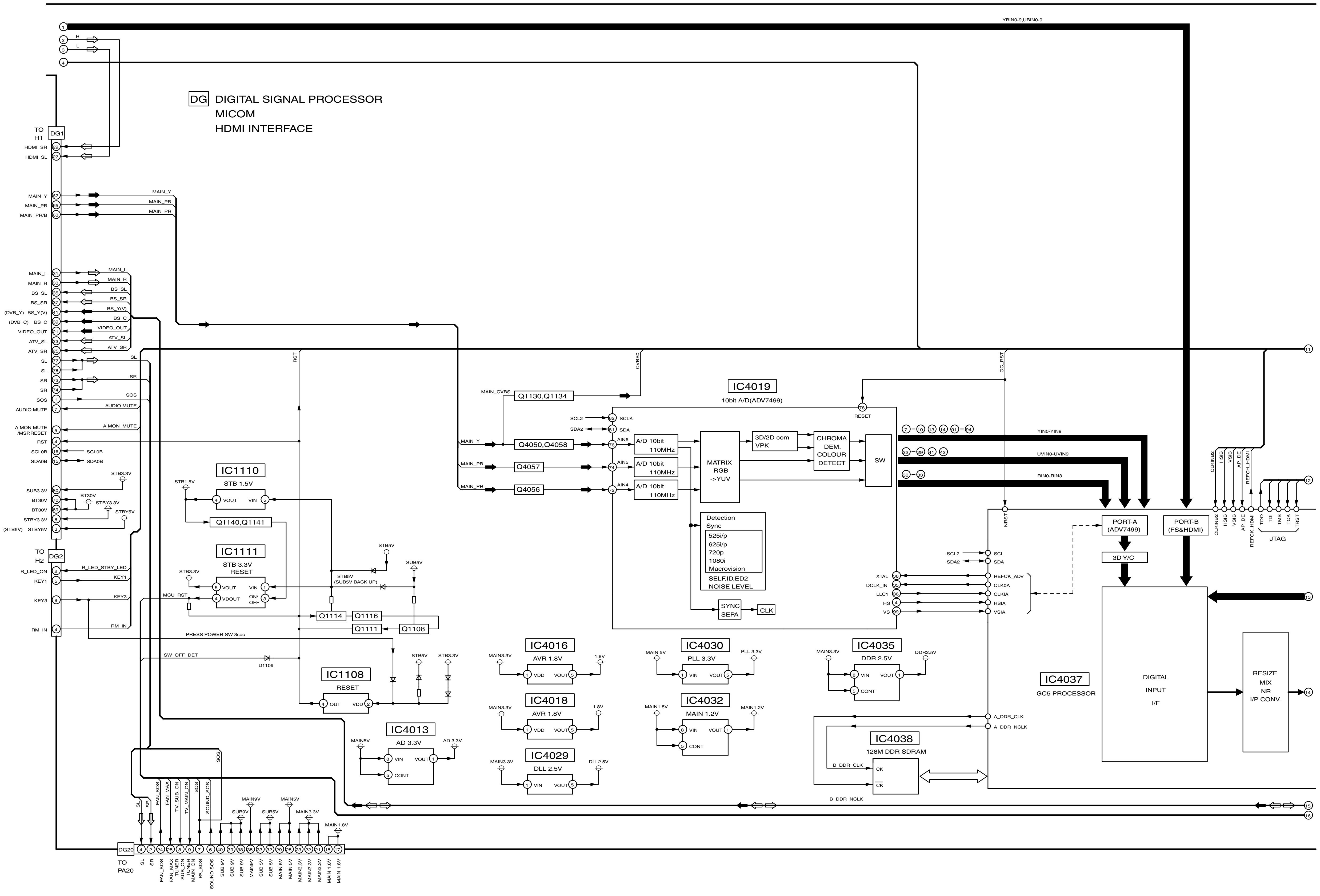
TH-50PX60U
GK, K, HC and S-Board Schematic Diagram

TH-50PX60U
GK, K, HC and S-Board Schematic Diagram

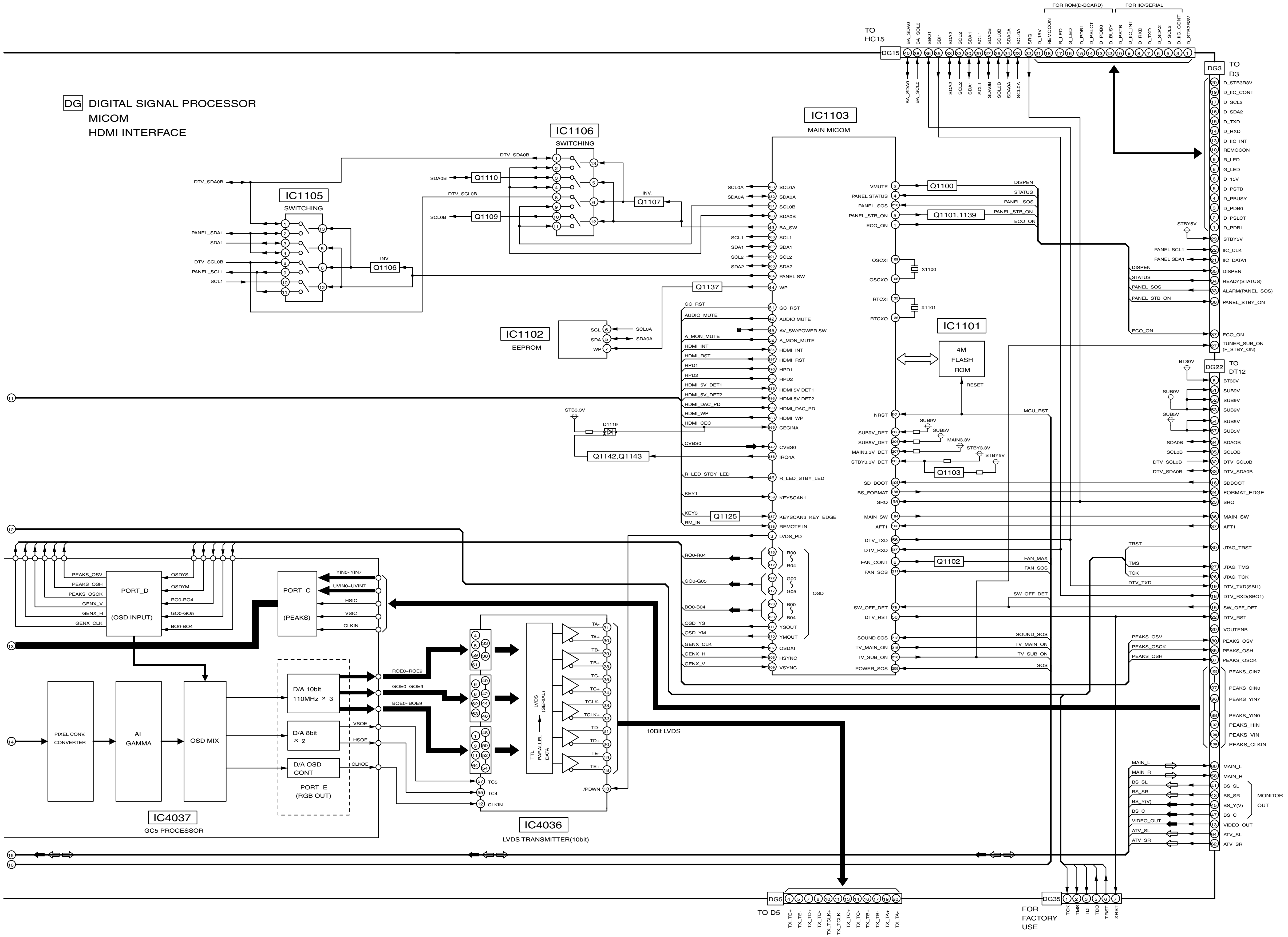
14.17. DG-Board (1 of 3) Block Diagram


DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
Q4069
HDMI_WP
HDMI_WP
HDMI_RST
HDMI_INT
IC4023
EEPROM
WC
SDA
SCL
DDC_SDA
DDC_SCL
D1
S1
D2
S2
3.3V_SDA
3.3V_SCL
Q4070
5V 3.3V
DSCL0
DSDA0
RESET
INT
IC4026
HDMI I/F RECEIVER
MUTE OUT
H:MUTE
MCLK
SCK
SD0
WS
AUDIO INTERFACE
VIDEO INTERFACE
YB0-YB9
UB0-UB9
(TO GC5 PORT-B)
ROX2+
ROX2-
ROX1+
ROX1-
ROX0+
ROX0-
ROXC+
ROXC-
TMDS DATA RECEIVER AND TMDS DECODER
HDCP CIPHER DECRYPTOR
CPU
D2+
D2G
D2-
D1+
D1G
D1-
D0+
D0G
D0-
CLK+
CLKG
CLK-
CEC
N.C.
SCL
DDC DATA
DDCG
+5V
HPDT
DG9
HDMI IN 1
R1X2+
R1X2-
R1X1+
R1X1-
R1X0+
R1X0-
R1XC+
R1XC-
TMDS DATA RECEIVE AND TMDS DECODER
HDCP CIPHER DECRYPTOR
MAIN 1.8V
MAIN 3.3V
ODCK
HSYNC
VSYNC
DE
XTALIN
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
DSCL1
DSDA1
R0PWR5V
R1PWR5V
CSCL
CSDA
SDA1
SCL1
HDMI_CEC
DG8
HDMI IN 2
D2
S2
D1
S1
Q4071
5V 3.3V
IC4022
EEPROM
Q4084
WC
SCL
SDA
IC4027
MAIN 1.8V
MAIN 3.3V
MAIN1.8V
VIN
VOUT
CONT
IC4025
AUDIO DAC
RX_MCLK
MUTE_OUT
RX_SCK
RX_SD0
RX_WS
MCLK
SMUTE
BICK
SDTI
LRCK
Clock Divider
μ P INTERFACE
AUDIO Data INTERFACE
8X Interpolator
Δ Σ Modulator
AOUTR
AOUTL
PDN
HDMI_DAC_PD
IC4028
AUDIO AMP
MAIN9V
R
L
HPD1
HDMI_5V_DET1
HPD2
HDMI_5V_DET2
MAIN5V
HOTPLUG
Q4066
Q4082
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
Q4067
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V
MAIN5V
HOTPLUG
Q4065
Q4083
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
Q4068
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V

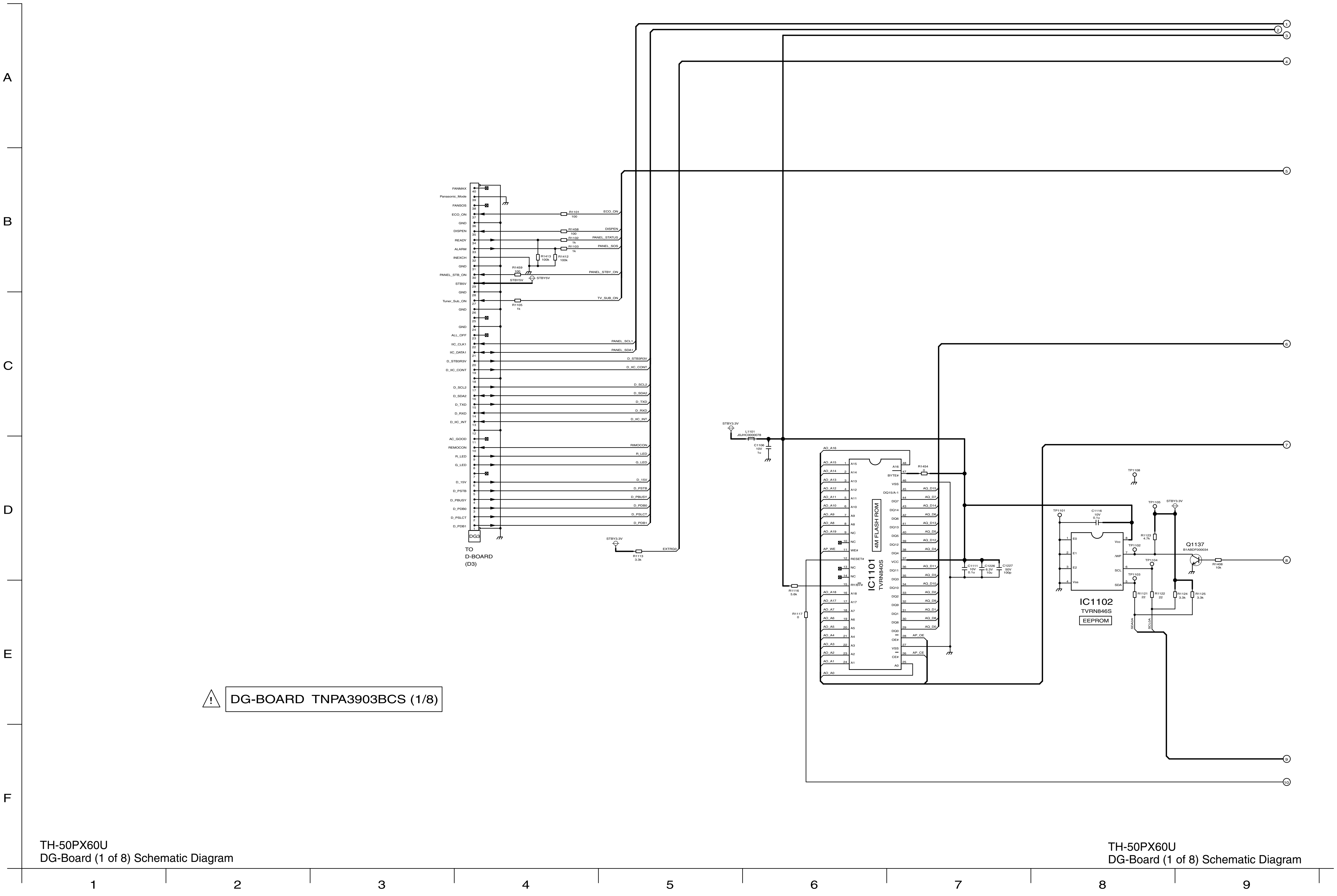
14.18. DG-Board (2 of 3) Block Diagram


DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
YBIN0-9,UBIN0-9
TO H1
DG1
HDMI_SR
HDMI_SL
MAIN_Y
MAIN_PB
MAIN_PR/B
MAIN_L
MAIN_R
BS_SL
BS_SR
(DVB_Y) BS_Y(V)
(DVB_C) BS_C
VIDEO_OUT
ATV_SL
ATV_SR
SL
SR
SOS
AUDIO MUTE
A MON MUTE /MSP.RESET
RST
SCL0B
SDA0B
SUB3.3V
BT30V
STBY3.3V
(STB5V) STBY5V
STB3.3V
STBY5V
TO H2
DG2
R_LED_ON
KEY1
KEY3
RM_IN
R_LED_STBY_LED
MCU_RST
PRESS POWER SW 3sec
SW_OFF_DET
D1109
IC1110
STB 1.5V
STB1.5V
VOUT
VIN
Q1140,Q1141
IC1111
STB 3.3V
RESET
VDOUT
ON/ OFF
STB5V
SUB5V
STB5V (SUB5V BACK UP)
Q1114
Q1116
Q1111
Q1108
IC1108
RESET
OUT
VDD
IC4013
AD 3.3V
MAIN5V
CONT
MAIN_CVBS
Q1130,Q1134
CVBS0
RST
Q4050,Q4058
Q4057
Q4056
IC4019
10bit A/D(ADV7499)
SCL2
SDA2
SCLK
SDA
AIN6
AIN5
AIN4
A/D 10bit 110MHz
MATRIX RGB ->YUV
3D/2D com VPK
CHROMA DEM. COLOUR DETECT
SW
Detection Sync
525i/p
625i/p
720p
1080i
Macrovision
SELF,ID,ED2
NOISE LEVEL
SYNC SEPA
CLK
XTAL
DCLK_IN
LLC1
HS
VS
GC_RST
YIN0-YIN9
UVIN0-UVIN9
RIN0-RIN3
NRST
REFCK_ADV
CLK0A
CLKIA
HSIA
VSIA
PORT-A (ADV7499)
PORT-B (FS&HDMI)
3D Y/C
CLKINB2
HSIB
VSIB
AP_DE
REFCK_HDMI
TDO
TDI
TMS
TCK
TRST
JTAG
IC4037
GC5 PROCESSOR
DIGITAL INPUT I/F
RESIZE MIX NR I/P CONV.
A_DDR_CLK
A_DDR_NCLK
IC4038
128M DDR SDRAM
B_DDR_CLK
B_DDR_NCLK
CK
IC4016
AVR 1.8V
MAIN3.3V
1.8V
IC4018
AVR 1.8V
IC4029
DLL 2.5V
DLL2.5V
IC4030
PLL 3.3V
MAIN 5V
PLL 3.3V
IC4032
MAIN 1.2V
MAIN1.8V
MAIN1.2V
IC4035
DDR 2.5V
DDR2.5V
MAIN9V
SUB9V
SUB5V
MAIN3.3V
MAIN1.8V
DG20
TO PA20
SL
SR
FAN_SOS
FAN_MAX
TUNER SUB_ON
TUNER MAIN_ON
PA_SOS
SOUND SOS
SUB 9V
MAIN9V
SUB 5V
MAIN 5V
MAIN3.3V
MAIN 1.8V
TV_SUB_ON
TV_MAIN_ON
SOUND_SOS

14.19. DG-Board (3 of 3) Block Diagram


DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
TO HC15
DG15
FOR ROM(D-BOARD)
FOR IIC/SERIAL
DG3
TO D3
IC1106
SWITCHING
IC1105
SWITCHING
IC1103
MAIN MICOM
IC1102
EEPROM
IC1101
4M FLASH ROM
RESET
Q1110
Q1109
Q1107
Q1106
Q1137
Q1100
Q1101,1139
Q1142,Q1143
Q1125
Q1103
Q1102
X1100
X1101
D1119
STB3.3V
DG22
TO DT12
PORT_D
(OSD INPUT)
PORT_C
(PEAKS)
PIXEL CONV. CONVERTER
AI GAMMA
OSD MIX
D/A 10bit 110MHz × 3
D/A 8bit × 2
D/A OSD CONT
PORT_E (RGB OUT)
IC4037
GC5 PROCESSOR
LVDS (SERIAL)
TTL PARALLEL DATA
IC4036
LVDS TRANSMITTER(10bit)
10Bit LVDS
ROE0~ROE9
GOE0~GOE9
BOE0~BOE9
OSD
DG5
TO D5
DG35
FOR FACTORY USE
MONITOR OUT

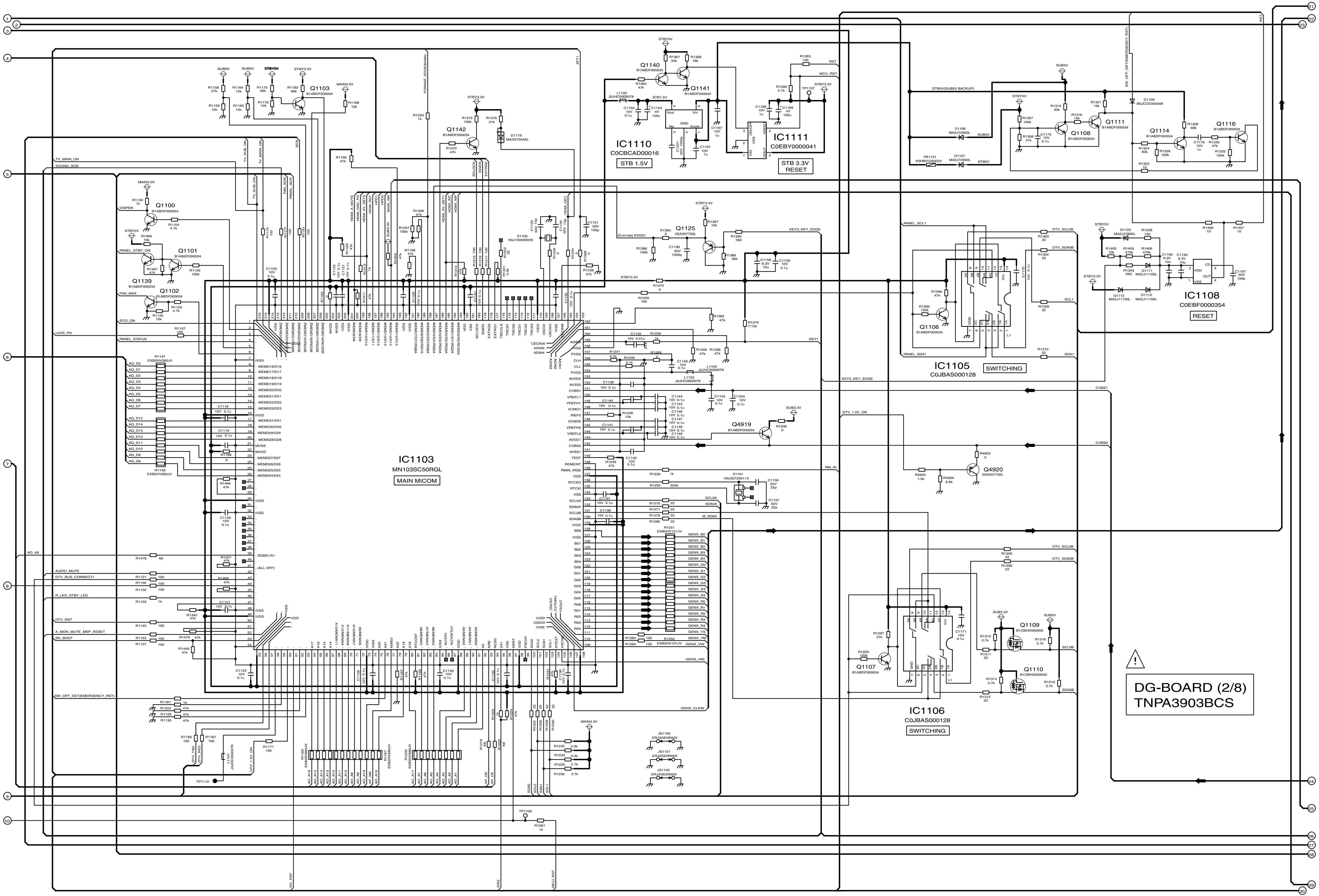
14.20. DG-Board (1 of 8) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
FANMAX
Panasonic_Mode
FANSOS
ECO_ON
GND
DISPEN
READY
ALARM
INEXCH
PANEL_STB_ON
STB5V
Tuner_Sub_ON
ALL_OFF
IIC_CLK1
IIC_DATA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
AC_GOOD
REMOCON
R_LED
G_LED
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
DG3
TO
D-BOARD
(D3)
R1101
100
R1458
100
R1102
1k
R1103
1k
R1413
100k
R1412
100k
R1459
100
STBY5V
R1105
1k
ECO_ON
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STBY_ON
TV_SUB_ON
PANEL_SCL1
PANEL_SDA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
RIMOCON
R_LED
G_LED
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
STBY3.3V
R1113
3.3k
EXTRG0
STBY3.3V
L1101
J0JHC0000078
C1106
10V
1u
IC1101
TVRN840S
4M FLASH ROM
AO_A16
AO_A15
AO_A14
AO_A13
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A19
AP_WE
AO_A18
AO_A17
AO_A7
AO_A6
AO_A5
AO_A4
AO_A3
AO_A2
AO_A1
AO_A0
A15
A14
A13
A12
A11
A10
A9
A8
NC
NC
WE#
RESET#
NC
NC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE#
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
VSS
CE#
A0
AQ_D15
AQ_D7
AQ_D14
AQ_D6
AQ_D13
AQ_D5
AQ_D12
AQ_D4
AQ_D11
AQ_D3
AQ_D10
AQ_D2
AQ_D9
AQ_D1
AQ_D8
AQ_D0
AP_OE
AP_CE
R1454
0
R1116
5.6k
R1117
0
C1111
10V
0.1u
C1226
6.3V
10u
C1227
50V
100p
TP1108
TP1101
C1116
10V
0.1u
TP1105
STBY3.3V
TP1102
TP1104
TP1103
R1123
4.7k
Q1137
B1ABDF000034
R1408
10k
IC1102
TVRN846S
EEPROM
E0
E1
E2
Vss
Vcc
/WP
SCL
SDA
R1121
22
R1122
22
R1124
3.3k
R1125
3.3k
SDA0A
SCL0A
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⚠ DG-BOARD TNPA3903BCS (1/8)

TH-50PX60U
DG-Board (1 of 8) Schematic Diagram

TH-50PX60U
DG-Board (1 of 8) Schematic Diagram

14.21. DG-Board (2 of 8) Schematic Diagram

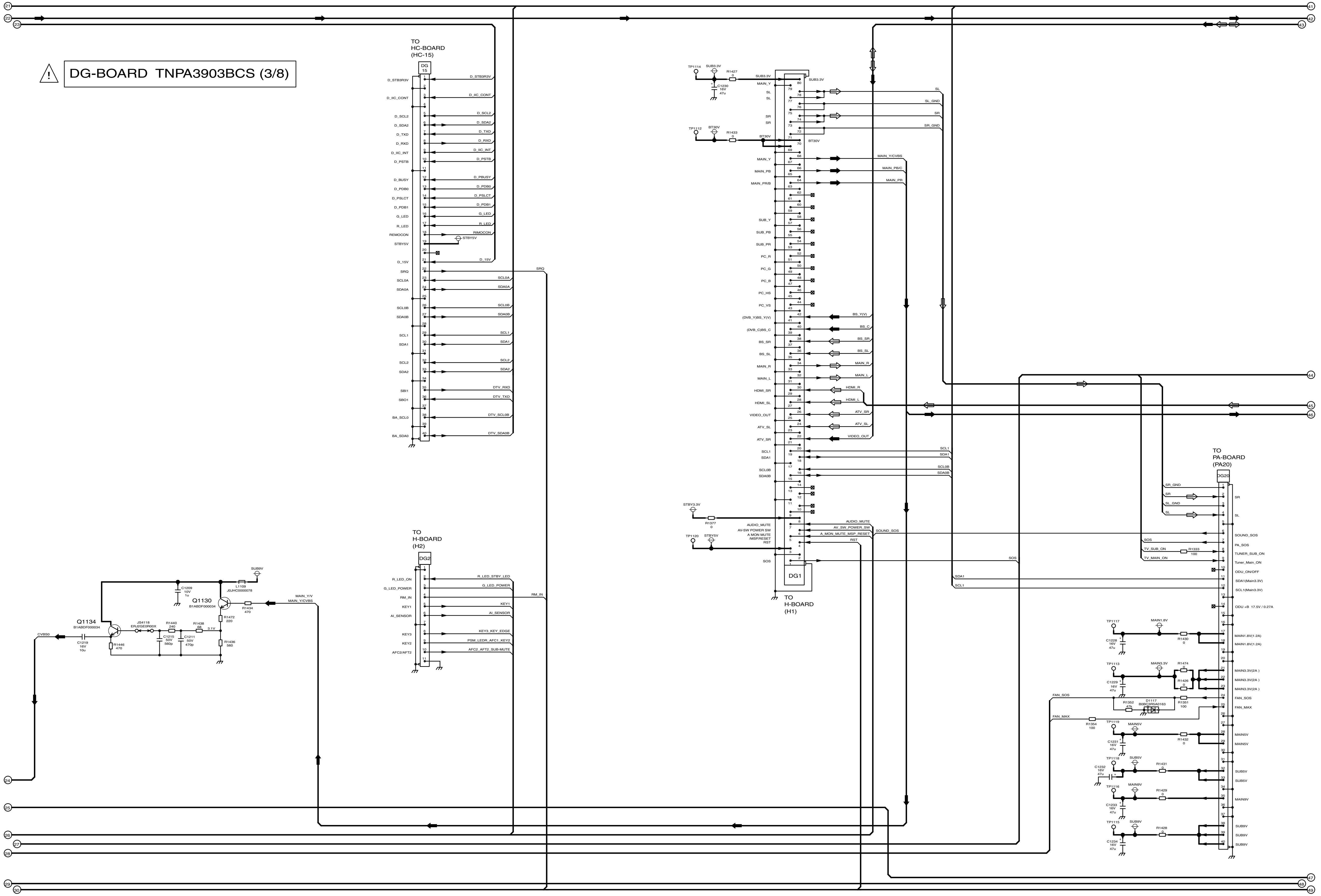

IC1103
MN103SC50RGL
MAIN MICOM
IC1110
C0CBCAD00016
STB 1.5V
IC1111
C0EBY0000041
STB 3.3V
RESET
IC1105
C0JBAS000128
SWITCHING
IC1106
C0JBAS000128
SWITCHING
IC1108
C0EBF0000354
RESET
Q1100
Q1101
Q1102
Q1103
Q1106
Q1107
Q1108
Q1109
Q1110
Q1111
Q1114
Q1116
Q1125
Q1139
Q1140
Q1141
Q1142
Q4919
Q4920
DG-BOARD (2/8)
TNPA3903BCS

TH-50PX60U DG-Board (2 of 8) Schematic Diagram

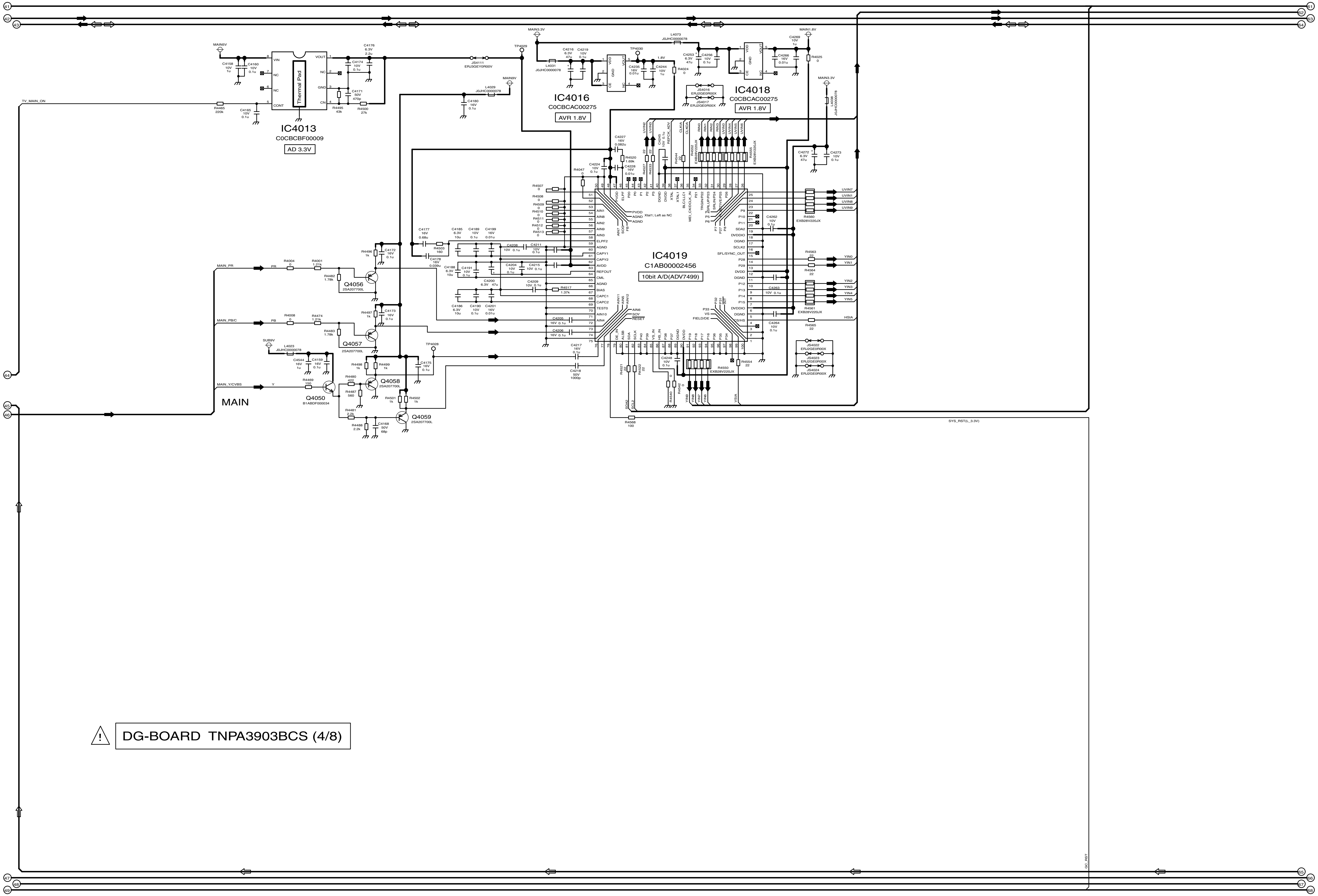
TH-50PX60U DG-Board (2 of 8) Schematic Diagram

10
11
12
13
14
15
16
17
18

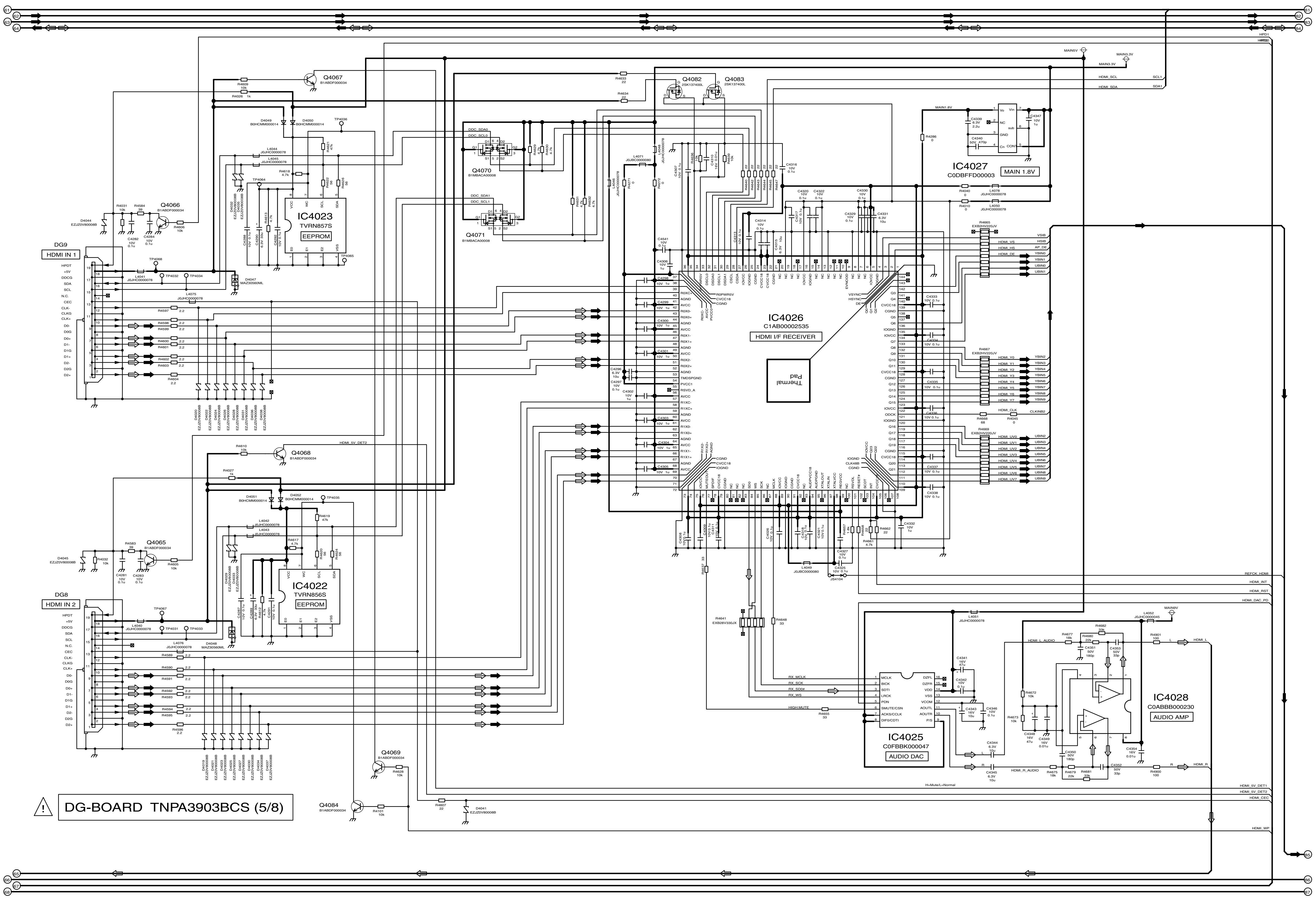
14.22. DG-Board (3 of 8) Schematic Diagram


DG-BOARD TNPA3903BCS (3/8)
TO
HC-BOARD
(HC-15)
DG15
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_BUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
STBY5V
D_15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SBI1
SBO1
BA_SCL0
BA_SDA0
DTV_RXD
DTV_TXD
DTV_SCL0B
DTV_SDA0B
TO
H-BOARD
(H2)
DG2
R_LED_ON
G_LED_POWER
RM_IN
KEY1
AI_SENSOR
KEY3
KEY2
AFC2/AFT2
R_LED_STBY_LED
G_LED_POWER
AI_SENSOR
KEY3_KEY_EDGE
PSM_LEDR_AFC1_KEY2
AFC2_AFT2_SUB-MUTE
Q1134
B1ABDF000034
Q1130
B1ABDF000034
CVBS0
MAIN_Y/V
MAIN_Y/CVBS
SUB9V
L1109
J0JHC0000078
TO
H-BOARD
(H1)
DG1
SUB3.3V
BT30V
MAIN_Y
MAIN_PB
MAIN_PR
SL
SL_GND
SR
SR_GND
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_G
PC_B
PC_HS
PC_VS
(DVB_Y)BS_Y(V)
(DVB_C)BS_C
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_SR
HDMI_SL
VIDEO_OUT
ATV_SL
ATV_SR
AUDIO_MUTE
AV_SW_POWER_SW
A_MON_MUTE_MSP_RESET
RST
SOS
SOUND_SOS
STBY3.3V
TO
PA-BOARD
(PA20)
DG20
SR
SL
SOUND_SOS
PA_SOS
TUNER_SUB_ON
Tuner_Main_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
ODU +B 17.5V / 0.27A
MAIN1.8V(1.2A)
MAIN3.3V(2A)
FAN_SOS
FAN_MAX
MAIN5V
SUB5V
MAIN9V
SUB9V
D1117
B0BC3R5A0163

14.23. DG-Board (4 of 8) Schematic Diagram


IC4013
C0CBCBF00009
AD 3.3V
Thermal Pad
IC4016
C0CBCAC00275
AVR 1.8V
IC4018
C0CBCAC00275
AVR 1.8V
IC4019
C1AB00002456
10bit A/D(ADV7499)
MAIN5V
MAIN3.3V
MAIN1.8V
MAIN9V
SUB9V
TV_MAIN_ON
MAIN_PR
PR
MAIN_PB/C
PB
MAIN_Y/CVBS
Y
MAIN
Q4056
2SA2070OL
Q4057
2SA2070OL
Q4058
2SA2070OL
Q4059
2SA2070OL
Q4050
B1ABDF000034
TP4028
TP4029
TP4030
YIN0
YIN1
YIN2
YIN3
YIN4
YIN5
UVIN7
UVIN1
UVIN6
UVIN8
HSIA
SYS_RST(L_3.3V)
DG_RST
DG-BOARD TNPA3903BCS (4/8)

14.24. DG-Board (5 of 8) Schematic Diagram

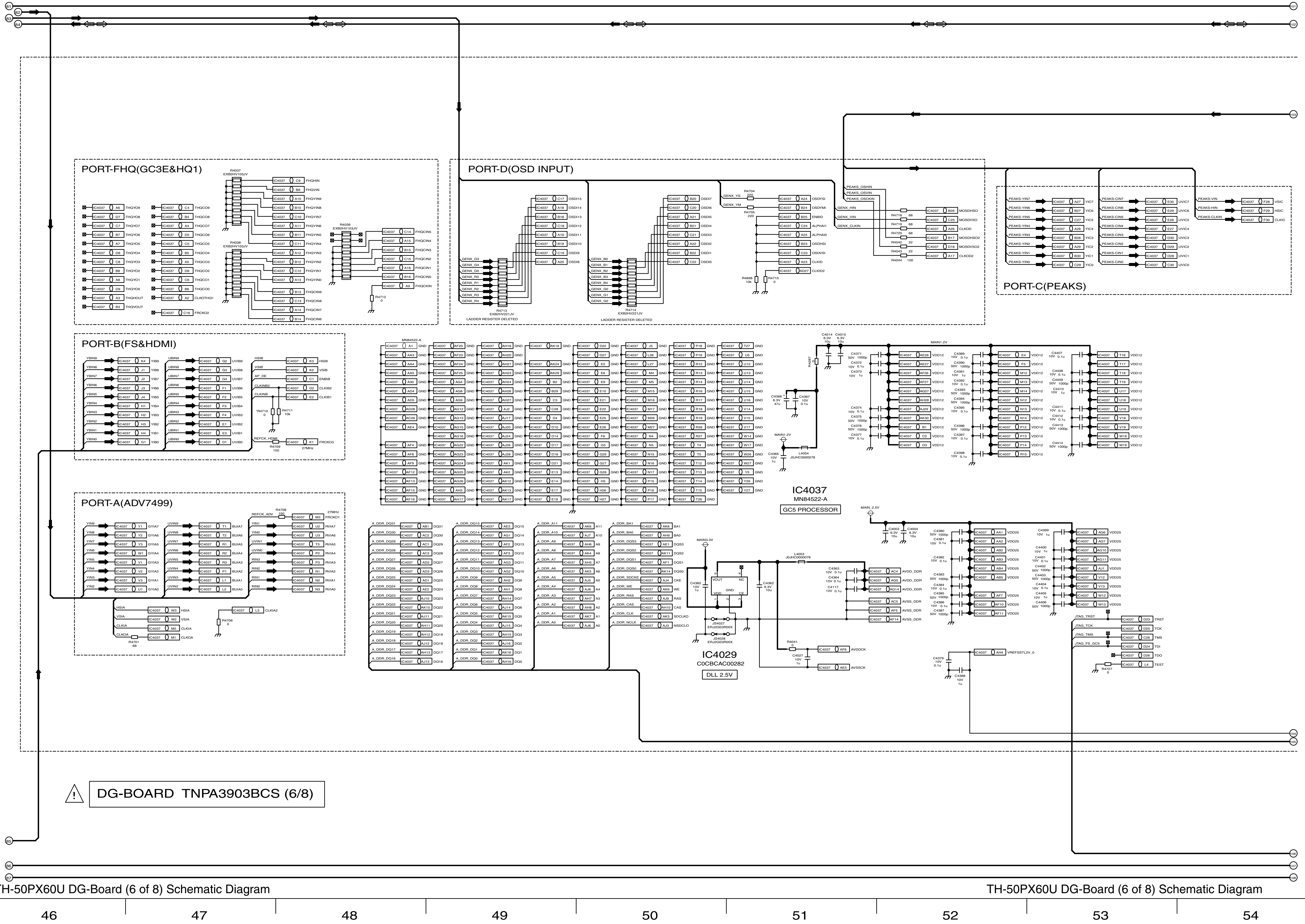

DG-BOARD TNPA3903BCS (5/8)
DG9
HDMI IN 1
DG8
HDMI IN 2
HPDT
+5V
DDCG
SDA
SCL
N.C.
CEC
CLK-
CLKG
CLK+
D0-
D0G
D0+
D1-
D1G
D1+
D2-
D2G
D2+
IC4023
TVRN857S
EEPROM
IC4022
TVRN856S
EEPROM
Q4066
B1ABDF000034
Q4065
B1ABDF000034
Q4067
B1ABDF000034
Q4068
B1ABDF000034
Q4069
B1ABDF000034
Q4084
B1ABDF000034
Q4070
B1MBACA00008
Q4071
B1MBACA00008
Q4082
2SK1374OOL
Q4083
2SK1374OOL
IC4026
C1AB00002535
HDMI I/F RECEIVER
Thermal Pad
IC4027
C0DBFFD00003
MAIN 1.8V
IC4025
C0FBBK000047
AUDIO DAC
IC4028
C0ABBB000230
AUDIO AMP
MAIN5V
MAIN3.3V
MAIN1.8V
MAIN9V
HDMI_SCL
HDMI_SDA
SCL1
SDA1
HPD1
HPD2
DDC_SDA0
DDC_SCL0
DDC_SDA1
DDC_SCL1
HDMI_5V_DET2
HDMI_L_AUDIO
HDMI_R_AUDIO
HDMI_L
HDMI_R
RX_MCLK
RX_SCK
RX_SD0
RX_WS
HIGH:MUTE
H=Mute/L=Normal
REFCK_HDMI
HDMI_INT
HDMI_RST
HDMI_DAC_PD
HDMI_5V_DET1
HDMI_5V_DET2
HDMI_CEC
HDMI_WP
HDMI_VS
HDMI_HS
HDMI_DE
HDMI_CLK
CLKINB2
VSIB
HSIB
AP_DE
YBIN0
YBIN1
UBIN0
UBIN1
YBIN2
YBIN3
YBIN4
YBIN5
YBIN6
YBIN7
YBIN8
YBIN9
UBIN2
UBIN3
UBIN4
UBIN5
UBIN6
UBIN7
UBIN8
UBIN9

TH-50PX60U DG-Board (5 of 8) Schematic Diagram

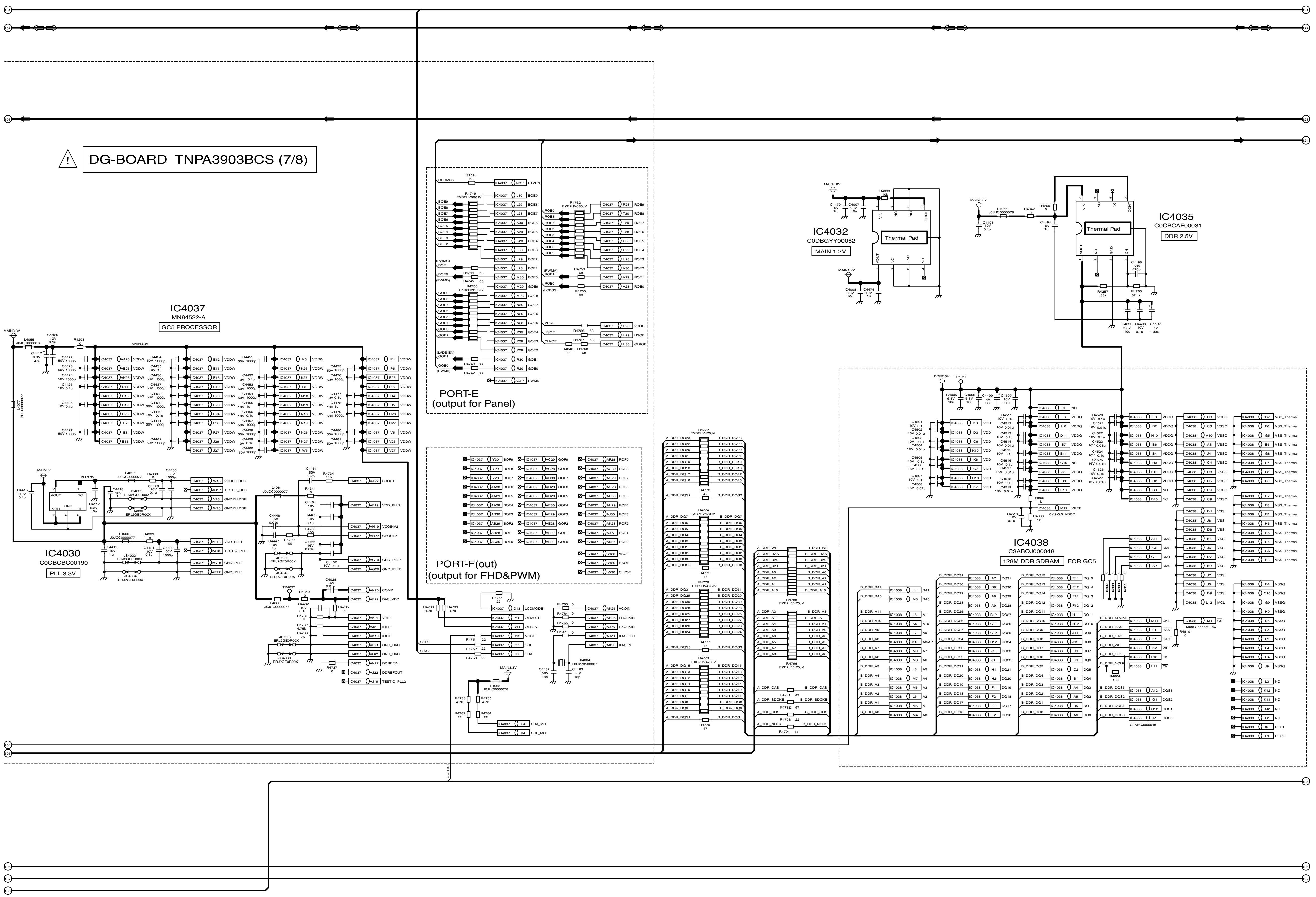
TH-50PX60U DG-Board (5 of 8) Schematic Diagram

37 38 39 40 41 42 43 44 45

14.25. DG-Board (6 of 8) Schematic Diagram


PORT-FHQ(GC3E&HQ1)
PORT-D(OSD INPUT)
PORT-C(PEAKS)
PORT-B(FS&HDMI)
PORT-A(ADV7499)
LADDER REGISTER DELETED
IC4037
MN84522-A
GC5 PROCESSOR
IC4029
C0CBCAC00282
DLL 2.5V
MAIN1.2V
MAIN_2.5V
MAIN3.3V
27MHz
DG-BOARD TNPA3903BCS (6/8)
46
47
48
49
50
51
52
53
54

14.26. DG-Board (7 of 8) Schematic Diagram

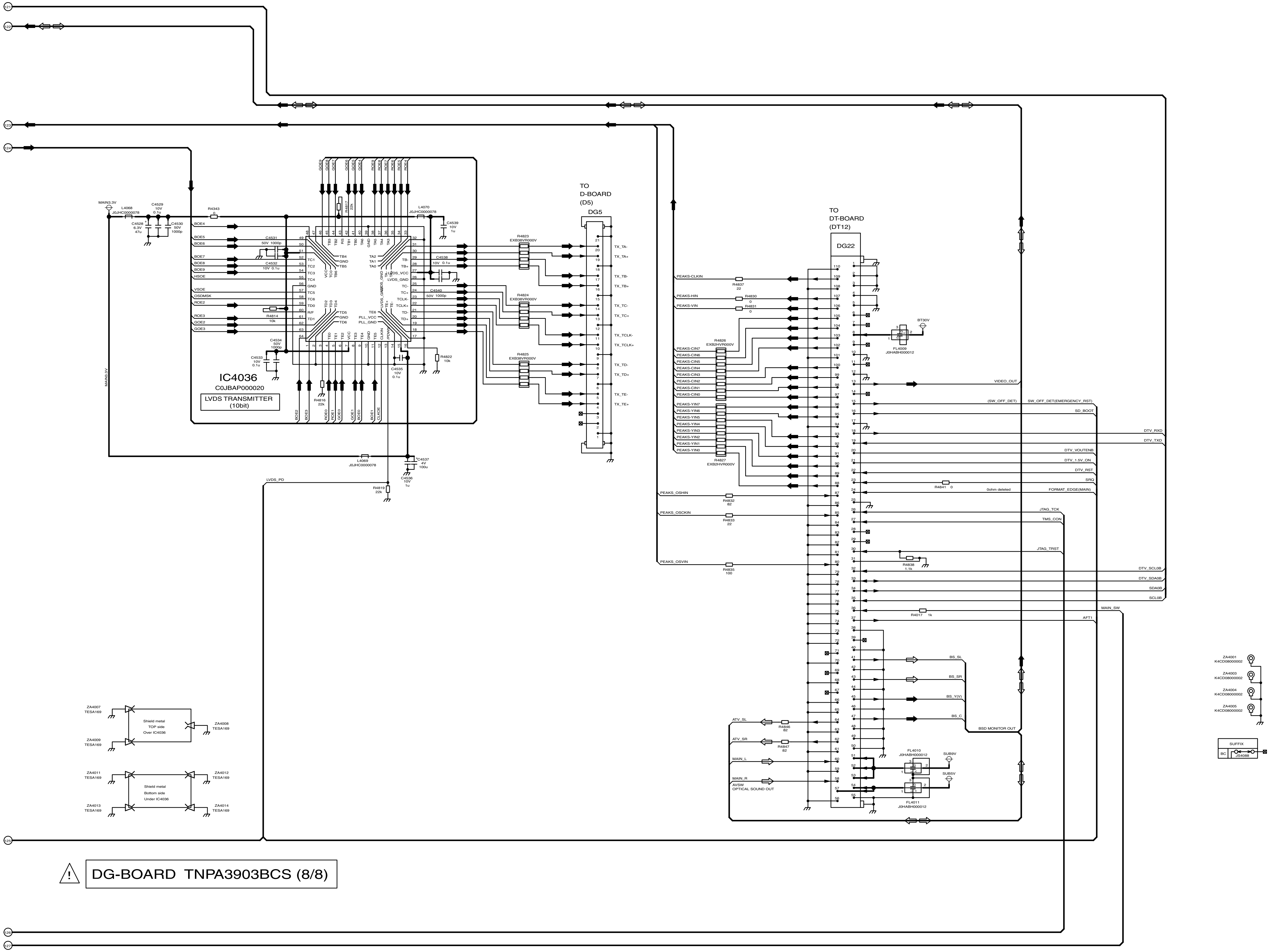

DG-BOARD TNPA3903BCS (7/8)
IC4037
MN84522-A
GC5 PROCESSOR
IC4030
C0CBCBC00190
PLL 3.3V
PORT-E
(output for Panel)
PORT-F(out)
(output for FHD&PWM)
IC4032
C0DBGYY00052
MAIN 1.2V
Thermal Pad
IC4035
C0CBCAF00031
DDR 2.5V
IC4038
C3ABQJ000048
128M DDR SDRAM
FOR GC5
MAIN3.3V
MAIN5V
MAIN1.8V
MAIN1.2V
DDR2.5V

TH-50PX60U DG-Board (7 of 8) Schematic Diagram

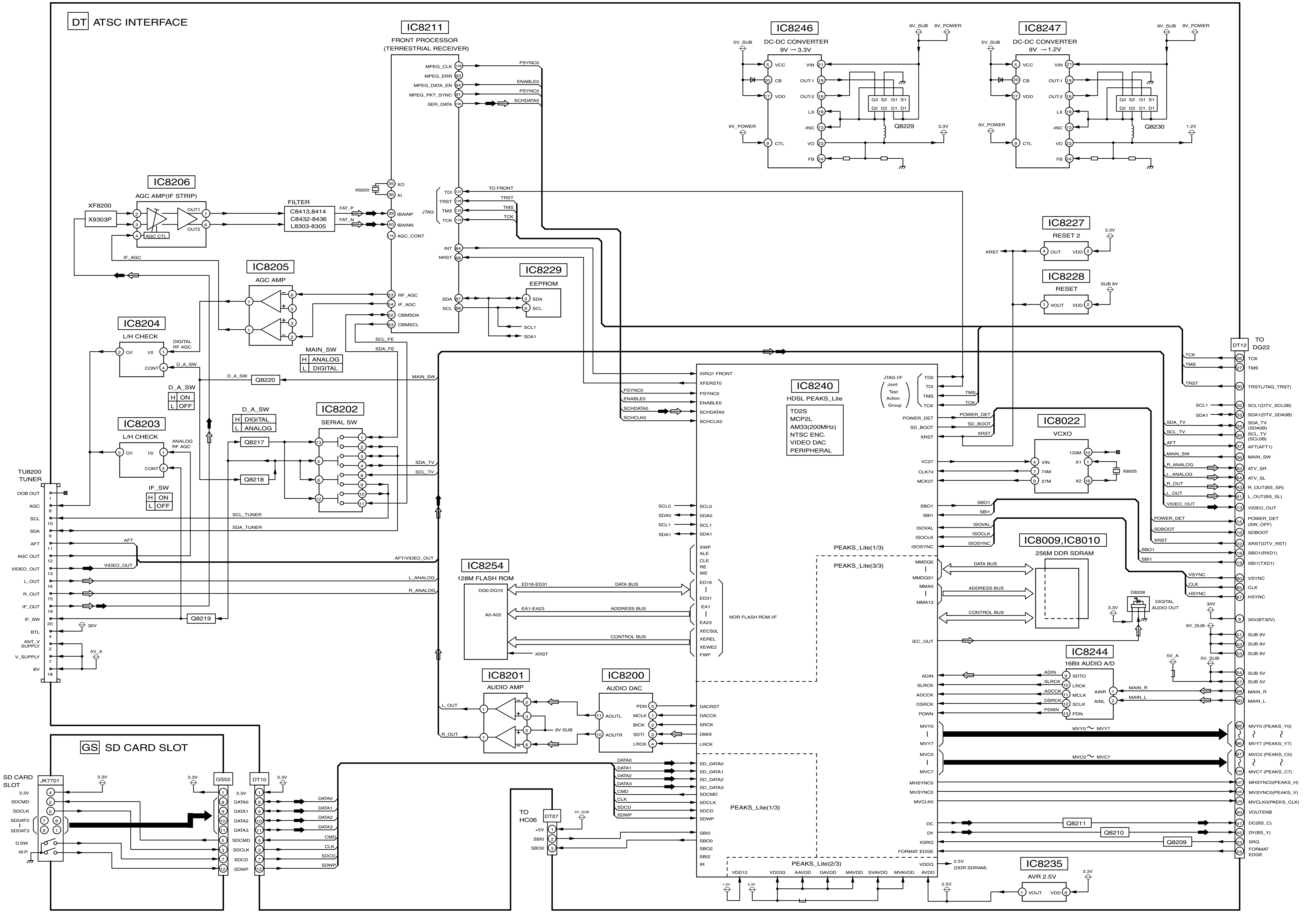
TH-50PX60U DG-Board (7 of 8) Schematic Diagram

55 56 57 58 59 60 61 62 63

14.27. DG-Board (8 of 8) Schematic Diagram


IC4036
C0JBAP000020
LVDS TRANSMITTER
(10bit)
MAIN3.3V
L4068
J0JHC0000078
C4528
6.3V
47u
C4529
10V
0.1u
C4530
50V
1000p
R4343
0
L4070
J0JHC0000078
C4539
10V
1u
C4531
50V 1000p
C4532
10V 0.1u
R4814
10k
C4534
50V
1000p
C4533
10V
0.1u
C4535
10V
0.1u
R4816
22k
R4817
22k
C4538
10V 0.1u
C4540
50V 1000p
R4822
10k
L4069
J0JHC0000078
C4537
4V
100u
C4536
10V
1u
R4819
22k
LVDS_PD
TO
D-BOARD
(D5)
DG5
R4823
EXB38VR000V
R4824
EXB38VR000V
R4825
EXB38VR000V
TX_TA-
TX_TA+
TX_TB-
TX_TB+
TX_TC-
TX_TC+
TX_TCLK-
TX_TCLK+
TX_TD-
TX_TD+
TX_TE-
TX_TE+
TO
DT-BOARD
(DT12)
DG22
PEAKS-CLKIN
PEAKS-HIN
PEAKS-VIN
R4837
22
R4830
0
R4831
0
R4826
EXB2HVR000V
PEAKS-CIN7
PEAKS-CIN6
PEAKS-CIN5
PEAKS-CIN4
PEAKS-CIN3
PEAKS-CIN2
PEAKS-CIN1
PEAKS-CIN0
PEAKS-YIN7
PEAKS-YIN6
PEAKS-YIN5
PEAKS-YIN4
PEAKS-YIN3
PEAKS-YIN2
PEAKS-YIN1
PEAKS-YIN0
R4827
EXB2HVR000V
PEAKS_OSHIN
R4832
82
PEAKS_OSCKIN
R4833
22
PEAKS_OSVIN
R4835
100
BT30V
FL4009
J0HABH000012
VIDEO_OUT
(SW_OFF_DET)
SW_OFF_DET(EMERGENCY_RST)
SD_BOOT
DTV_RXD
DTV_TXD
DTV_VOUTENB
DTV_1.5V_ON
DTV_RST
SRQ
R4841 0
0ohm deleted
FORMAT_EDGE(MAIN)
JTAG_TCK
TMS_CON
JTAG_TRST
R4838
1.1k
DTV_SCL0B
DTV_SDA0B
SDA0B
SCL0B
MAIN_SW
R4017 1k
AFT1
BS_SL
BS_SR
BS_Y(V)
BS_C
BSD MONITOR OUT
ATV_SL
R4846
82
ATV_SR
R4847
82
MAIN_L
MAIN_R
AVSW
OPTICAL SOUND OUT
FL4010
J0HABH000012
SUB9V
SUB5V
FL4011
J0HABH000012
ZA4007
TESA169
ZA4008
TESA169
ZA4009
TESA169
Shield metal
TOP side
Over IC4036
ZA4011
TESA169
ZA4012
TESA169
Shield metal
Bottom side
Under IC4036
ZA4013
TESA169
ZA4014
TESA169
ZA4001
K4CD08000002
ZA4003
K4CD08000002
ZA4004
K4CD08000002
ZA4005
K4CD08000002
SUFFIX
BC
JS4088
DG-BOARD TNPA3903BCS (8/8)

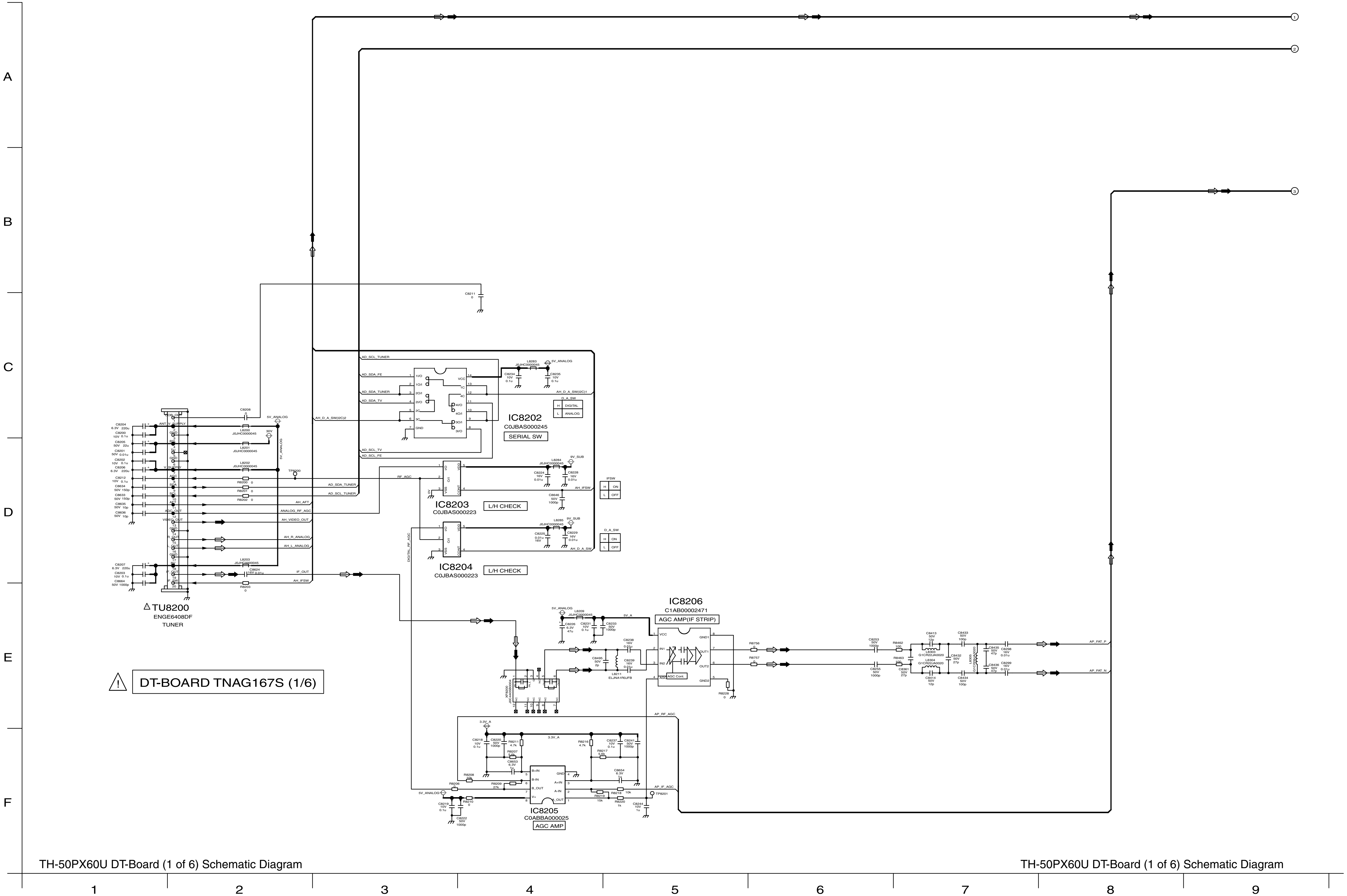
14.28. DT and GS-Board Block Diagram


DT ATSC INTERFACE
IC8211
FRONT PROCESSOR
(TERRESTRIAL RECEIVER)
MPEG_CLK
MPEG_ERR
MPEG_DATA_EN
MPEG_PKT_SYNC
SER_DATA
PSYNC0
ENABLE0
SCHDATA0
IC8246
DC-DC CONVERTER
9V → 3.3V
Q8229
IC8247
DC-DC CONVERTER
9V → 1.2V
Q8230
5V_SUB
9V_SUB
9V_POWER
IC8206
AGC AMP(IF STRIP)
XF8200
X9303P
AGC CTL
OUT1
OUT2
IF_AGC
FILTER
C8413,8414
C8432-8436
L8303-8305
FAT_P
FAT_N
X8200
XO
XI
IBAINP
IBAINN
AGC_CONT
JTAG
TDI
TRST
TMS
TCK
TO FRONT
INT
NRST
SDA
SCL
IC8205
AGC AMP
RF_AGC
IF_AGC
OBMSDA
OBMSCL
IC8229
EEPROM
SCL1
SDA1
IC8227
RESET 2
XRST
IC8228
RESET
SUB 9V
IC8204
L/H CHECK
DIGITAL RF AGC
D_A_SW
H ON
L OFF
MAIN_SW
H ANALOG
L DIGITAL
SCL_FE
SDA_FE
Q8220
IC8203
L/H CHECK
ANALOG RF AGC
IF_SW
H ON
L OFF
D_A_SW
H DIGITAL
L ANALOG
Q8217
Q8218
Q8219
IC8202
SERIAL SW
SDA_TV
SCL_TV
SCL_TUNER
SDA_TUNER
TU8200
TUNER
OOB OUT
AGC
SCL
SDA
AFT
AGC OUT
VIDEO_OUT
L_OUT
R_OUT
IF_OUT
IF_SW
BTL
ANT_V SUPPLY
V_SUPPLY
BV
30V
5V_A
AFT/VIDEO_OUT
L_ANALOG
R_ANALOG
IC8240
HDSL PEAKS_Lite
TD2S
MCP2L
AM33(200MHz)
NTSC ENC.
VIDEO DAC
PERIPHERAL
XIRQ1 FRONT
XFERST0
PSYNC0
ENABLE0
SCHDATA0
SCHCLK0
JTAG I/F
Joint Test Action Group
TDO
TDI
TMS
TCK
POWER_DET
SD_BOOT
XRST
IC8022
VCXO
133M
74M
27M
X8005
VC27
CLK74
MCK27
SBO1
SBI1
ISOVAL
ISOCLK
ISOSYNC
PEAKS_Lite(1/3)
PEAKS_Lite(3/3)
IC8009,IC8010
256M DDR SDRAM
MMDQ0 – MMDQ31
MMA0 – MMA13
DATA BUS
ADDRESS BUS
CONTROL BUS
D8208
DIGITAL AUDIO OUT
IEC_OUT
IC8254
128M FLASH ROM
DQ0-DQ15
A0-A22
ED16-ED31
EA1-EA23
XRST
NOR FLASH ROM I/F
XWP
ALE
CLE
RE
WE
XECS0L
XEREL
XEWE2
FWP
IC8244
16Bit AUDIO A/D
ADIN
SLRCK
ADCCK
DSRCK
PDWN
MAIN_R
MAIN_L
MVY0 ~ MVY7
MVC0 ~ MVC7
MHSYNC0
MVSYNC0
MVCLK0
Q8211
Q8210
Q8209
DC
DY
XSRQ
FORMAT EDGE
IC8235
AVR 2.5V
VDDQ
2.5V (DDR SDRAM)
PEAKS_Lite(2/3)
VDD12
VDD33
AAVDD
DAVDD
MAVDD
SVAVDD
MVAVDD
AVDD
IC8201
AUDIO AMP
L_OUT
R_OUT
9V SUB
IC8200
AUDIO DAC
AOUTL
AOUTR
PDN
MCLK
BICK
SDTI
LRCK
DACRST
DACCK
SRCK
DMIX
SD_DATA0
SD_DATA1
SD_DATA2
SD_DATA3
SDCMD
SDCLK
SDCD
SDWP
SBI0
SBO0
SBO2
SBI2
IR
PEAKS_Lite(1/3)
TO HC06
DT07
+5V
GS SD CARD SLOT
SD CARD SLOT
JK7701
GS52
DT10
3.3V
SDCMD
SDCLK
SDDAT0 – SDDAT3
D.SW
W.P.
DATA0
DATA1
DATA2
DATA3
CMD
CLK
SDCD
SDWP
DT12
TO DG22
TCK
TMS
TRST(JTAG_TRST)
SCL1(DTV_SCL0B)
SDA1(DTV_SDA0B)
SDA_TV (SDA0B)
SCL_TV (SCL0B)
AFT(AFT1)
MAIN_SW
ATV_SR
ATV_SL
R_OUT(BS_SR)
L_OUT(BS_SL)
VIDEO_OUT
POWER_DET (SW_OFF)
SDBOOT
XRST(DTV_RST)
SBO1(RXD1)
SBI1(TXD1)
VSYNC
CLK
HSYNC
30V(BT30V)
SUB 9V
SUB 5V
MAIN_R
MAIN_L
MVY0 (PEAKS_Y0)
MVY7 (PEAKS_Y7)
MVC0 (PEAKS_C0)
MVC7 (PEAKS_C7)
MHSYNC0(PEAKS_H)
MVSYNC0(PEAKS_V)
MVCLK0(PAEKS_CLK)
VOUTENB
DC(BS_C)
DY(BS_Y)
SRQ
FORMAT EDGE

TH-50PX60U
DT and GS-Board Block Diagram

TH-50PX60U
DT and GS-Board Block Diagram

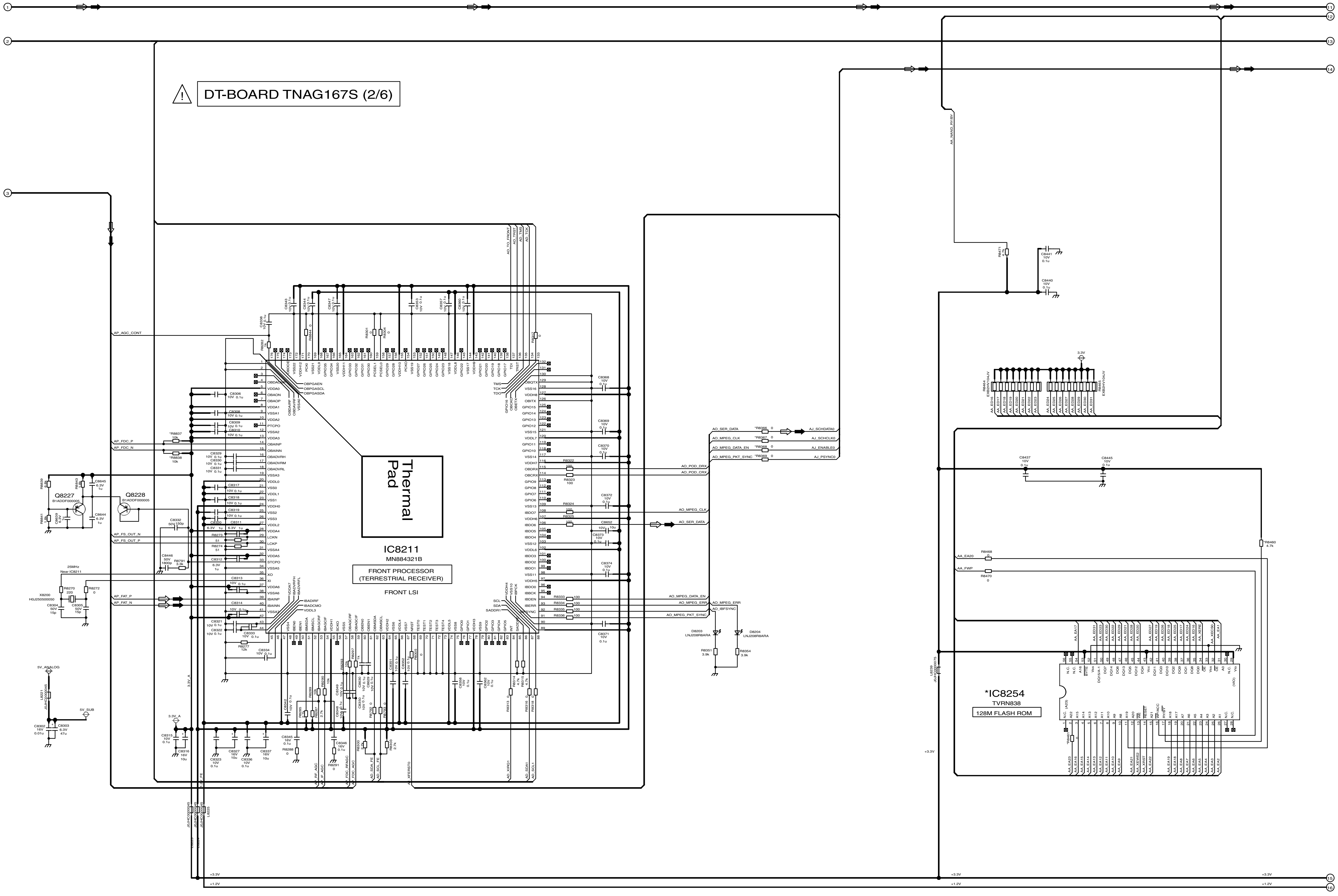
14.29. DT-Board (1 of 6) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
IC8202
C0JBAS000245
SERIAL SW
IC8203
C0JBAS000223
L/H CHECK
IC8204
C0JBAS000223
L/H CHECK
IC8206
C1AB00002471
AGC AMP(IF STRIP)
IC8205
C0ABBA000025
AGC AMP
TU8200
ENGE6408DF
TUNER
DT-BOARD TNAG167S (1/6)
AD_SCL_TUNER
AD_SDA_FE
AD_SDA_TUNER
AD_SDA_TV
AD_SCL_TV
AD_SCL_FE
AH_D_A_SW(I2C)2
AH_D_A_SW(I2C)1
5V_ANALOG
5V_SUB
30V
RF_AGC
AH_AFT
ANALOG_RF_AGC
AH_VIDEO_OUT
AH_R_ANALOG
AH_L_ANALOG
IF_OUT
AH_IFSW
AH_D_A_SW
DIGITAL_RF_AGC
IFSW
D_A_SW
H DIGITAL
L ANALOG
H ON
L OFF
AP_RF_AGC
AP_IF_AGC
AP_FAT_P
AP_FAT_N
3.3V_A
5V_A
TP8200
TP8201
AGC Cont.
1
2
3

TH-50PX60U DT-Board (1 of 6) Schematic Diagram

TH-50PX60U DT-Board (1 of 6) Schematic Diagram

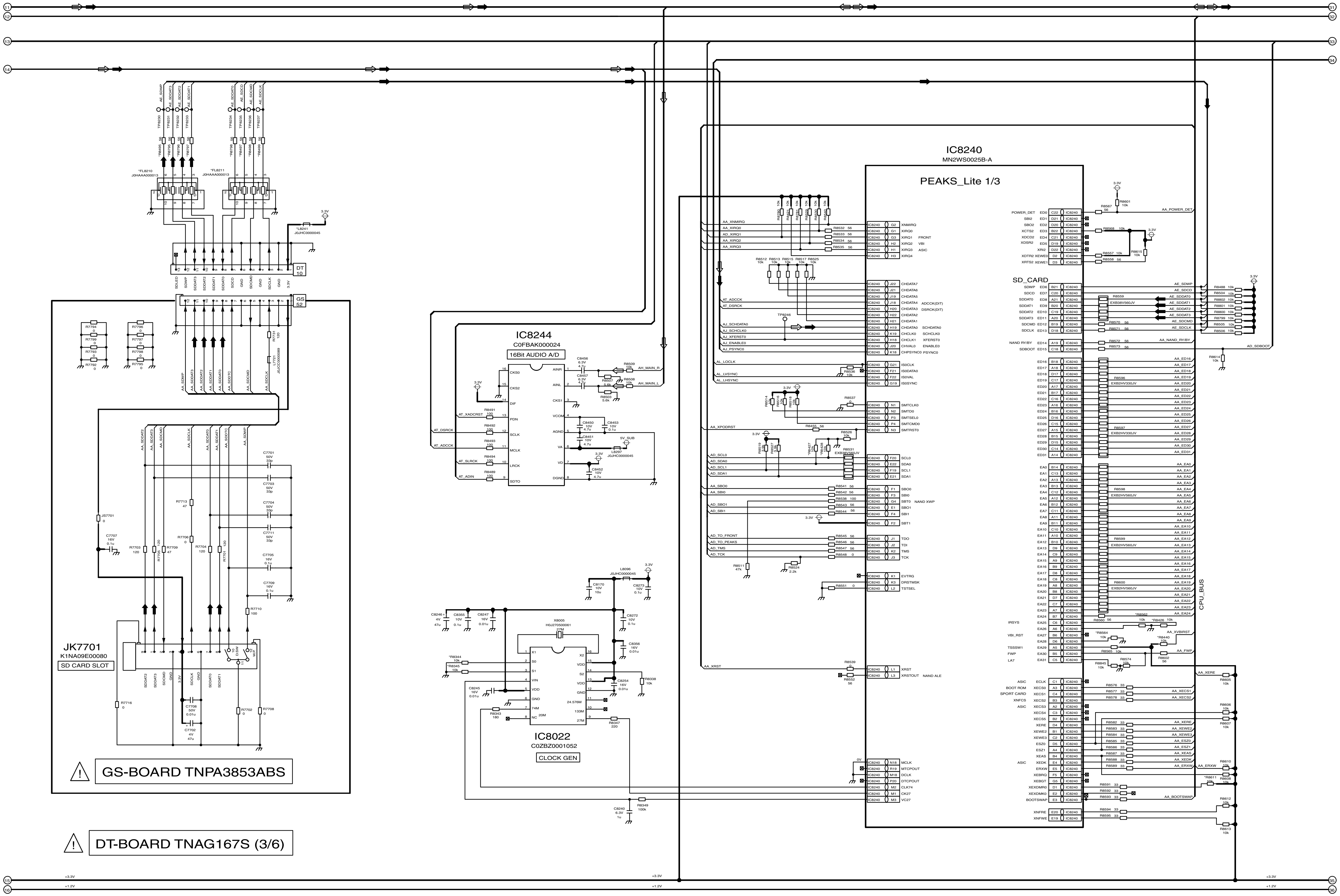
14.30. DT-Board (2 of 6) Schematic Diagram


DT-BOARD TNAG167S (2/6)
Thermal Pad
IC8211
MN884321B
FRONT PROCESSOR
(TERRESTRIAL RECEIVER)
FRONT LSI
*IC8254
TVRN838
128M FLASH ROM
Q8227
B1ADDF000005
Q8228
B1ADDF000005
X8200
25MHz
AP_AGC_CONT
AP_FDC_P
AP_FDC_N
AP_FS_OUT_N
AP_FS_OUT_P
AP_FAT_P
AP_FAT_N
5V_ANALOG
5V_SUB
3.3V_A
AO_SER_DATA
AO_MPEG_CLK
AO_MPEG_DATA_EN
AO_MPEG_PKT_SYNC
AJ_SCHDATA0
AJ_SCHCLK0
AJ_ENABLE0
AJ_PSYNC0
AO_POD_DRX
AO_POD_CRX
AO_MPEG_ERR
AO_IBFSYNC
D8203
D8204
AA_EA20
AA_FWP
+3.3V
+1.2V
1
2
3
11
12
13
14
15
16

TH-50PX60U DT-Board (2 of 6) Schematic Diagram

TH-50PX60U DT-Board (2 of 6) Schematic Diagram

14.31. DT-Board (3 of 6) Schematic Diagram

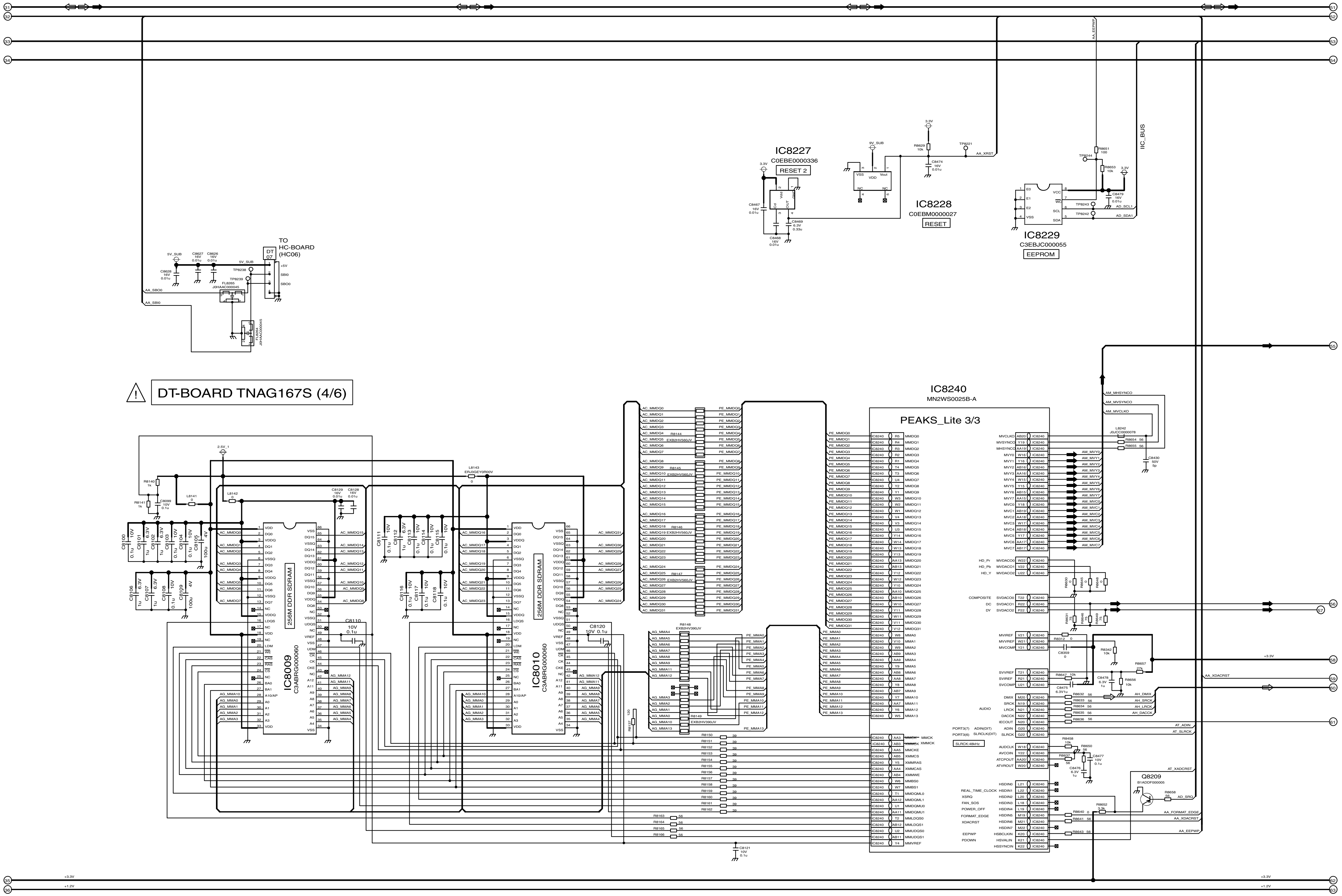

IC8240
MN2WS0025B-A
PEAKS_Lite 1/3
IC8244
C0FBAK000024
16Bit AUDIO A/D
IC8022
C0ZBZ0001052
CLOCK GEN
JK7701
K1NA09E00080
SD CARD SLOT
GS-BOARD TNPA3853ABS
DT-BOARD TNAG167S (3/6)
SD_CARD
CPU_BUS
DT 10
GS 52
+3.3V
+1.2V

TH-50PX60U DT-Board (3 of 6) and GS-Board Schematic Diagram

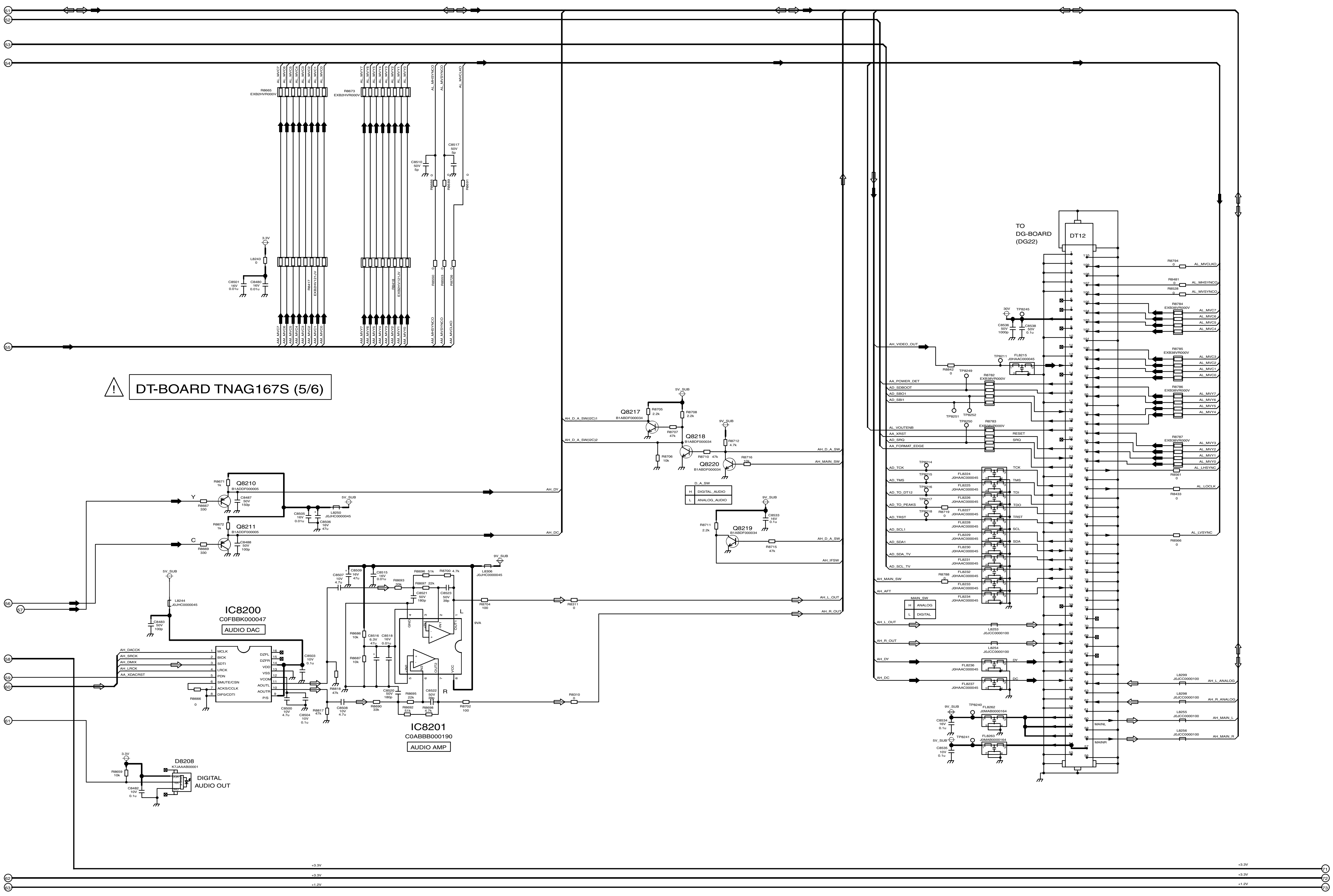
TH-50PX60U DT-Board (3 of 6) and GS-Board Schematic Diagram

19	20	21	22	23	24	25	26	27

14.32. DT-Board (4 of 6) Schematic Diagram


DT-BOARD TNAG167S (4/6)
IC8227
C0EBE0000336
RESET 2
IC8228
C0EBM0000027
RESET
IC8229
C3EBJC000055
EEPROM
IIC_BUS
TO HC-BOARD (HC06)
DT 07
IC8240
MN2WS0025B-A
PEAKS_Lite 3/3
IC8009
C3ABRG000060
256M DDR SDRAM
IC8010
C3ABRG000060
256M DDR SDRAM
Q8209
B1ADDF000005
+3.3V
+1.2V
2.5V_1
5V_SUB
9V_SUB

14.33. DT-Board (5 of 6) Schematic Diagram

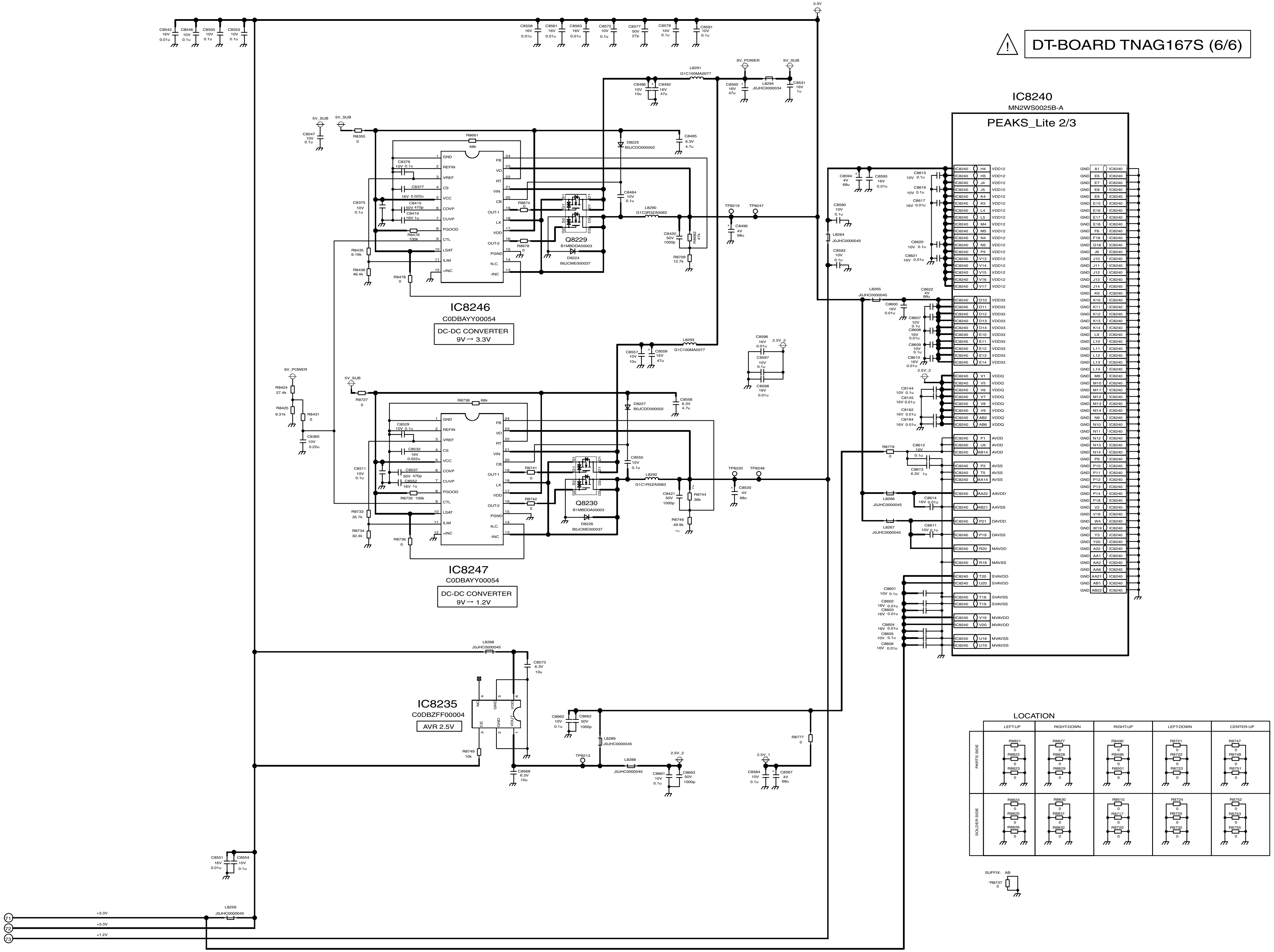

DT-BOARD TNAG167S (5/6)
IC8200
C0FBBK000047
AUDIO DAC
IC8201
C0ABBB000190
AUDIO AMP
Q8210
Q8211
Q8217
Q8218
Q8219
Q8220
D8208
K7JAAA000001
DIGITAL AUDIO OUT
TO DG-BOARD (DG22)
DT12
Y
C
L
R

TH-50PX60U DT-Board (5 of 6) Schematic Diagram

TH-50PX60U DT-Board (5 of 6) Schematic Diagram

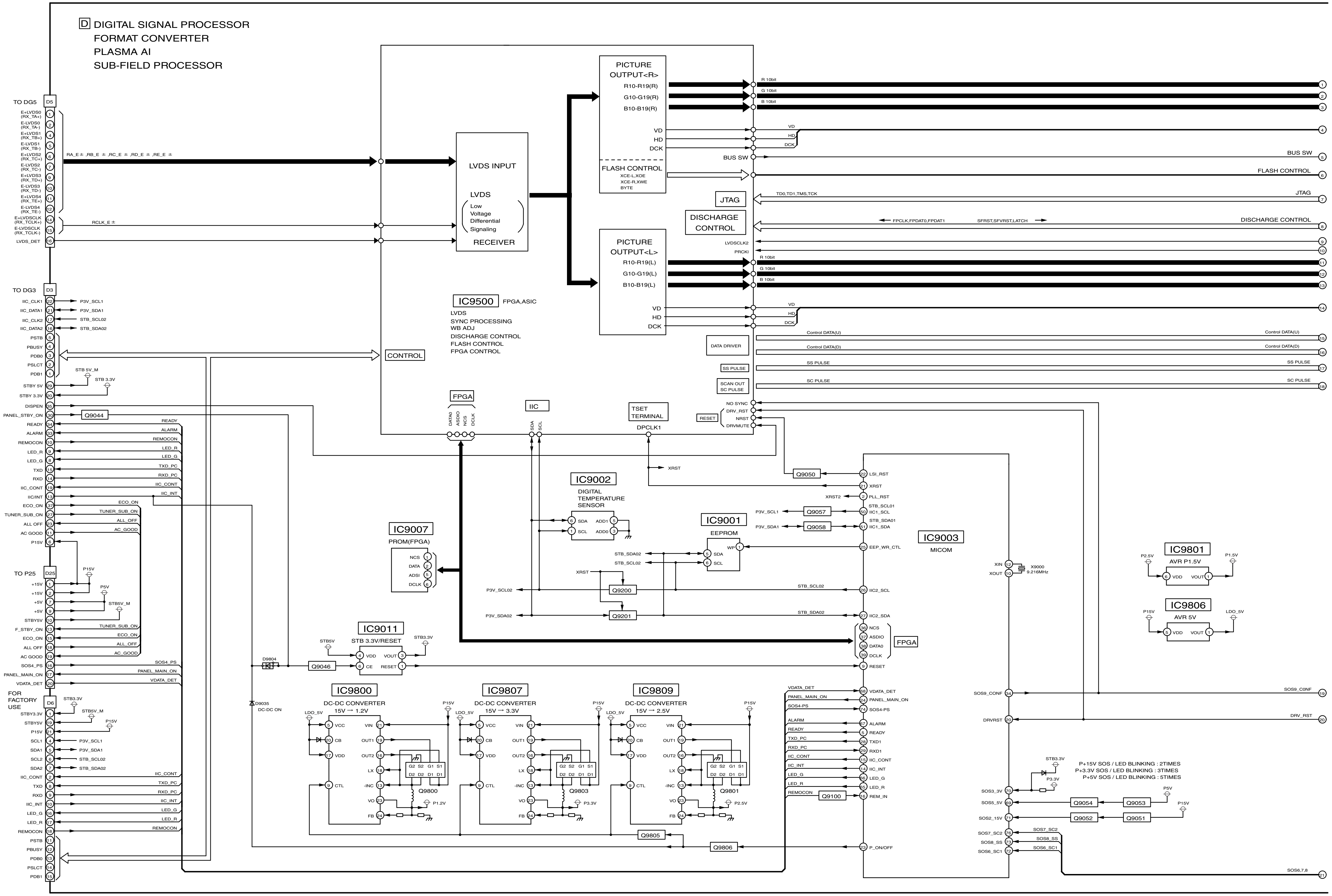
37 38 39 40 41 42 43 44 45

14.34. DT-Board (6 of 6) Schematic Diagram


DT-BOARD TNAG167S (6/6)
IC8240
MN2WS0025B-A
PEAKS_Lite 2/3
IC8246
C0DBAYY00054
DC-DC CONVERTER
9V→ 3.3V
IC8247
C0DBAYY00054
DC-DC CONVERTER
9V→ 1.2V
IC8235
C0DBZFF00004
AVR 2.5V
Q8229
Q8230
3.3V
9V_POWER
9V_SUB
5V_SUB
2.5V_2
2.5V_1
LOCATION
LEFT-UP
RIGHT-DOWN
RIGHT-UP
LEFT-DOWN
CENTER-UP
PARTS SIDE
SOLDER SIDE
SUFFIX: AB
*R8737
+3.3V
+3.3V
+1.2V

46 47 48 49 50 51 52 53 54

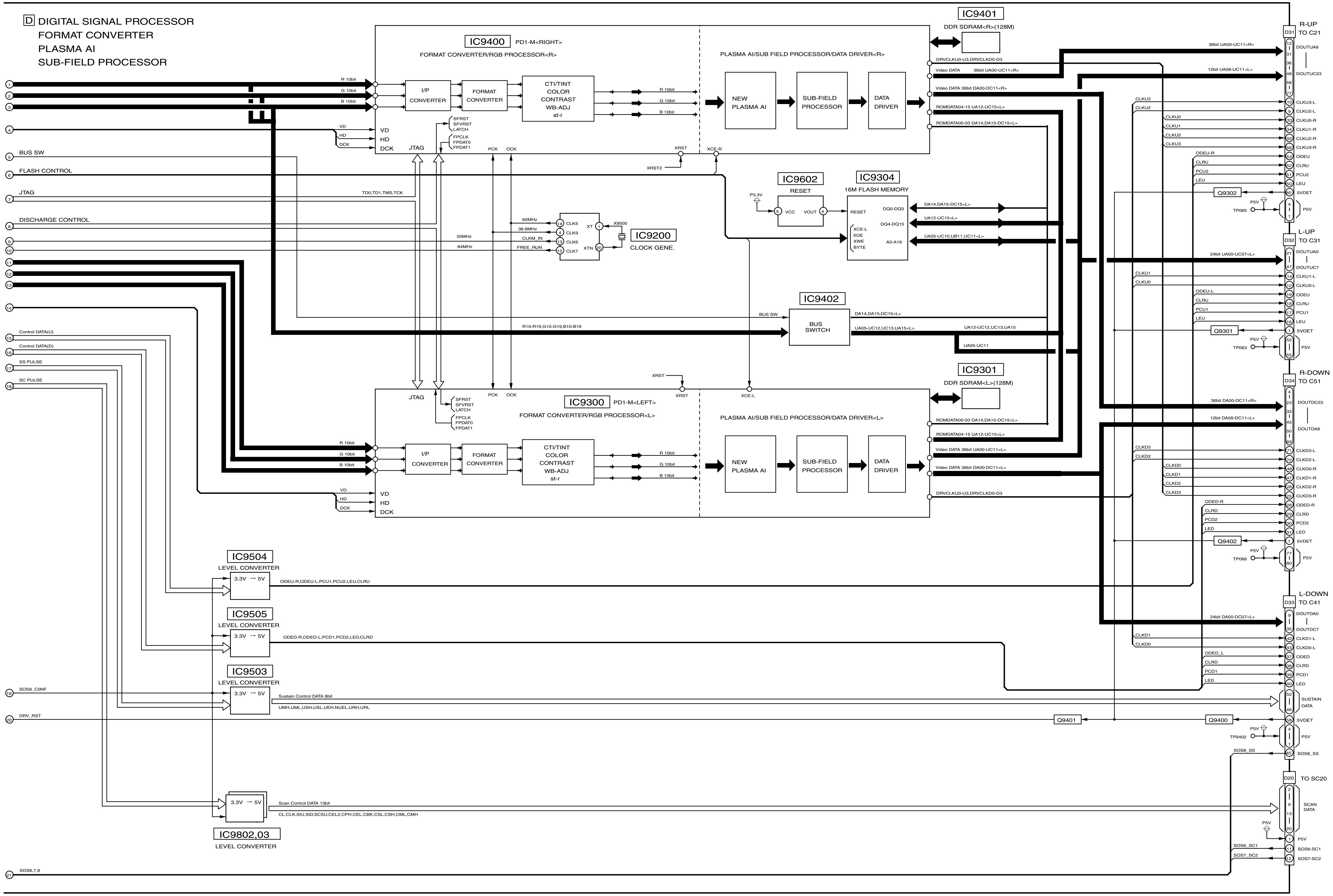
14.35. D-Board (1 of 2) Block Diagram


D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
TO DG5
D5
RA_E ± ,RB_E ± ,RC_E ± ,RD_E ± ,RE_E ±
RCLK_E ±
LVDS_DET
LVDS INPUT
LVDS
Low Voltage Differential Signaling
RECEIVER
PICTURE OUTPUT<R>
R10-R19(R)
G10-G19(R)
B10-B19(R)
VD
HD
DCK
FLASH CONTROL
XCE-L,XOE
XCE-R,XWE
BYTE
BUS SW
JTAG
DISCHARGE CONTROL
PICTURE OUTPUT<L>
R10-R19(L)
G10-G19(L)
B10-B19(L)
LVDSCLK2
PRCKI
IC9500
FPGA,ASIC
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
CONTROL
DATA DRIVER
SS PULSE
SCAN OUT
SC PULSE
FPGA
IIC
TSET TERMINAL
DPCLK1
RESET
NO SYNC
DRV_RST
NRST
DRVMUTE
R 10bit
G 10bit
B 10bit
TD0,TD1,TMS,TCK
FPCLK,FPDAT0,FPDAT1
SFRST,SFVRST,LATCH
Control DATA(U)
Control DATA(D)
SS PULSE
SC PULSE
TO DG3
D3
IIC_CLK1
IIC_DATA1
IIC_CLK2
IIC_DATA2
PSTB
PBUSY
PDB0
PSLCT
PDB1
STBY 5V
STBY 3.3V
DISPEN
PANEL_STBY_ON
READY
ALARM
REMOCON
LED_R
LED_G
TXD
RXD
IIC_CONT
IIC/INT
ECO_ON
TUNER_SUB_ON
ALL OFF
AC GOOD
P15V
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
STB 5V_M
STB 3.3V
Q9044
IC9002
DIGITAL TEMPERATURE SENSOR
IC9001
EEPROM
IC9007
PROM(FPGA)
NCS
DATA
ADSI
DCLK
IC9003
MICOM
XRST
Q9050
Q9057
Q9058
Q9200
Q9201
LSI_RST
PLL_RST
IIC1_SCL
IIC1_SDA
EEP_WR_CTL
IIC2_SCL
IIC2_SDA
ASDIO
DATA0
X9000
9.216MHz
TO P25
D25
+15V
+5V
STBY5V
F_STBY_ON
SOS4_PS
PANEL_MAIN_ON
VDATA_DET
P5V
STB5V_M
IC9011
STB 3.3V/RESET
VDD
VOUT
CE
RESET
Q9046
D9804
D9035
DC-DC ON
FOR FACTORY USE
D6
STB3.3V
STBY3.3V
SCL1
SDA1
SCL2
SDA2
IC9800
DC-DC CONVERTER
15V → 1.2V
IC9807
DC-DC CONVERTER
15V → 3.3V
IC9809
DC-DC CONVERTER
15V → 2.5V
Q9800
Q9803
Q9801
P1.2V
P3.3V
P2.5V
LDO_5V
Q9805
Q9806
Q9100
P_ON/OFF
REM_IN
SOS9_CONF
DRVRST
SOS3_3V
SOS5_5V
SOS2_15V
SOS7_SC2
SOS8_SS
SOS6_SC1
Q9054
Q9053
Q9052
Q9051
P+15V SOS / LED BLINKING : 2TIMES
P+3.3V SOS / LED BLINKING : 3TIMES
P+5V SOS / LED BLINKING : 5TIMES
IC9801
AVR P1.5V
P2.5V
P1.5V
IC9806
AVR 5V
P15V
LDO_5V
FLASH CONTROL
DISCHARGE CONTROL
DRV_RST
SOS6,7,8

TH-50PX60U
D-Board (1 of 2) Block Diagram

TH-50PX60U
D-Board (1 of 2) Block Diagram

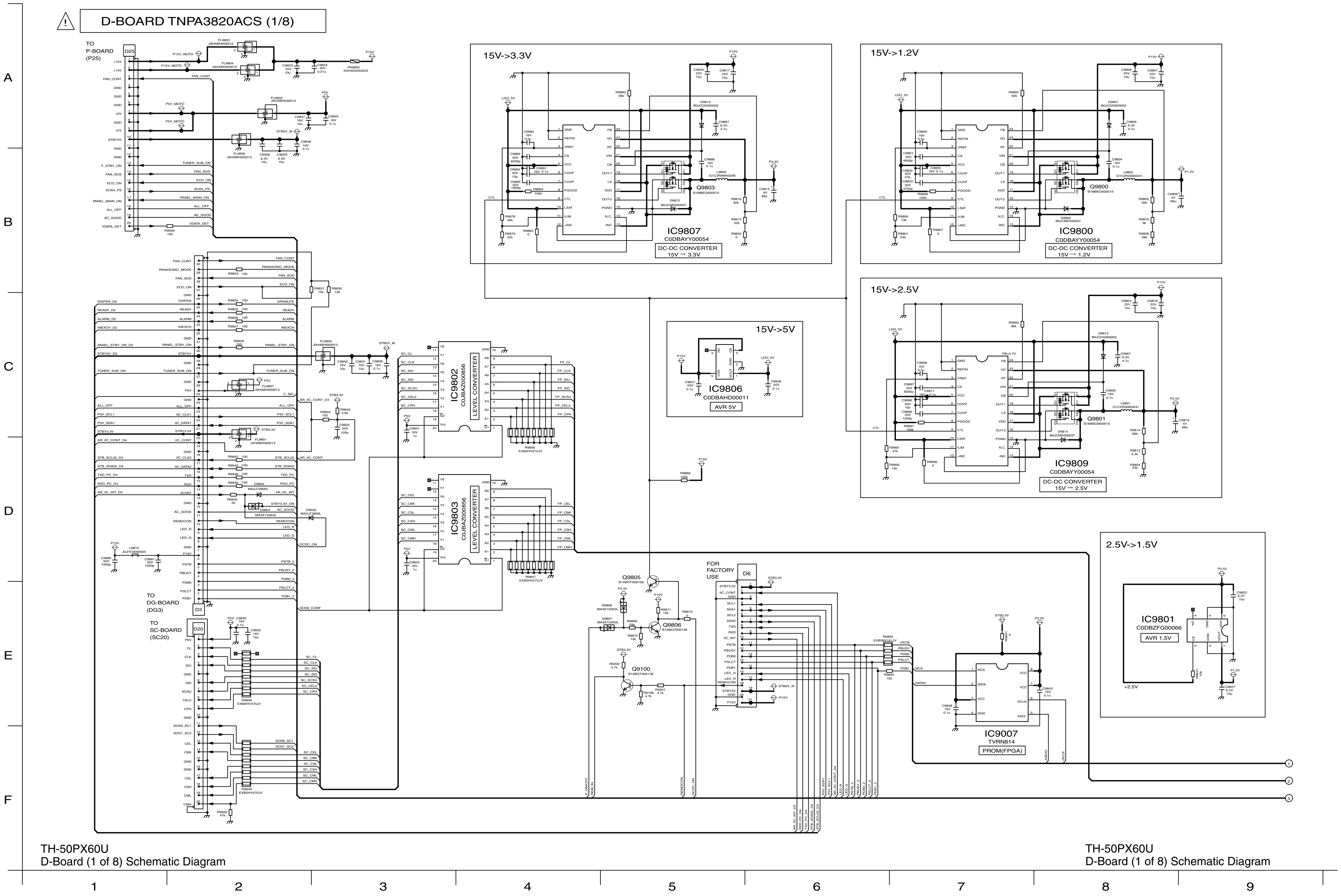
14.36. D-Board (2 of 2) Block Diagram


D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
BUS SW
FLASH CONTROL
JTAG
DISCHARGE CONTROL
Control DATA(U)
Control DATA(D)
SS PULSE
SC PULSE
SOS9_CONF
DRV_RST
SOS6,7,8
R 10bit
G 10bit
B 10bit
VD
HD
DCK
IC9400
PD1-M<RIGHT>
FORMAT CONVERTER/RGB PROCESSOR<R>
PLASMA AI/SUB FIELD PROCESSOR/DATA DRIVER<R>
I/P CONVERTER
FORMAT CONVERTER
CTI/TINT COLOR CONTRAST WB-ADJ st-r
NEW PLASMA AI
SUB-FIELD PROCESSOR
DATA DRIVER
SFRST
SFVRST
LATCH
FPCLK
FPDAT0
FPDAT1
PCK
OCK
XRST
XCE-R
XRST2
IC9401
DDR SDRAM<R>(128M)
DRVCLKU0-U3,DRVCLKD0-D3
Video DATA 36bit UA00-UC11<R>
Video DATA 36bit DA00-DC11<R>
ROMDATA04-15 UA12-UC15<L>
ROMDATA00-03 DA14,DA15-DC15<L>
TD0,TD1,TMS,TCK
IC9602
RESET
P3.3V
VCC
VOUT
IC9304
16M FLASH MEMORY
DQ0-DQ3
DQ4-DQ15
XCE-L
XOE
XWE
BYTE
A0-A19
DA14,DA15-DC15<L>
UA12-UC15<L>
UA05-UC10,UB11,UC11<L>
60MHz
36.6MHz
20MHz
84MHz
CLKM_IN
FREE_RUN
CLK5
CLK9
CLK6
CLK7
XT
XTN
X9500
IC9200
CLOCK GENE.
IC9402
BUS SWITCH
BUS SW
R10-R19,G10-G19,B10-B19
DA14,DA15-DC15<L>
UA05-UC12,UC13,UA15<L>
UA12-UC12,UC13,UA15
UA05-UC11
IC9301
DDR SDRAM<L>(128M)
IC9300
PD1-M<LEFT>
FORMAT CONVERTER/RGB PROCESSOR<L>
PLASMA AI/SUB FIELD PROCESSOR/DATA DRIVER<L>
XCE-L
ROMDATA00-03 DA14,DA15-DC15<L>
ROMDATA04-15 UA12-UC15<L>
Video DATA 36bit UA00-UC11<L>
Video DATA 36bit DA00-DC11<L>
DRVCLKU0-U3,DRVCLKD0-D3
IC9504
LEVEL CONVERTER
3.3V → 5V
ODEU-R,ODEU-L,PCU1,PCU2,LEU,CLRU
IC9505
LEVEL CONVERTER
ODED-R,ODED-L,PCD1,PCD2,LED,CLRD
IC9503
LEVEL CONVERTER
Sustain Control DATA 8bit
UMH,UML,USH,USL,UEH,NUEL,URH,URL
IC9802,03
LEVEL CONVERTER
Scan Control DATA 13bit
CL,CLK,SIU,SID,SCSU,CEL2,CPH,CEL,CBK,CSL,CSH,CML,CMH
Q9302
Q9301
Q9402
Q9401
Q9400
P5V
TP065
TP063
TP066
TP9402
D31 R-UP TO C21
36bit UA00-UC11<R>
12bit UA08-UC11<L>
DOUTUA8
DOUTUC23
CLKU3-L
CLKU2-L
CLKU0-R
CLKU1-R
CLKU2-R
CLKU3-R
ODEU
CLRU
PCU2
LEU
5VDET
D32 L-UP TO C31
24bit UA00-UC07<L>
DOUTUA0
DOUTUC7
CLKU1-L
CLKU0-L
PCU1
D34 R-DOWN TO C51
36bit DA00-DC11<R>
12bit DA08-DC11<L>
DOUTDC23
DOUTDA8
CLKD3-L
CLKD2-L
CLKD0-R
CLKD1-R
CLKD2-R
CLKD3-R
ODED-R
CLRD
PCD2
LED
D33 L-DOWN TO C41
24bit DA00-DC07<L>
DOUTDA0
DOUTDC7
CLKD1-L
CLKD0-L
ODED
PCD1
SUSTAIN DATA
SOS8_SS
D20 TO SC20
SCAN DATA
SOS6_SC1
SOS7_SC2
SOS6-SC1
SOS7-SC2

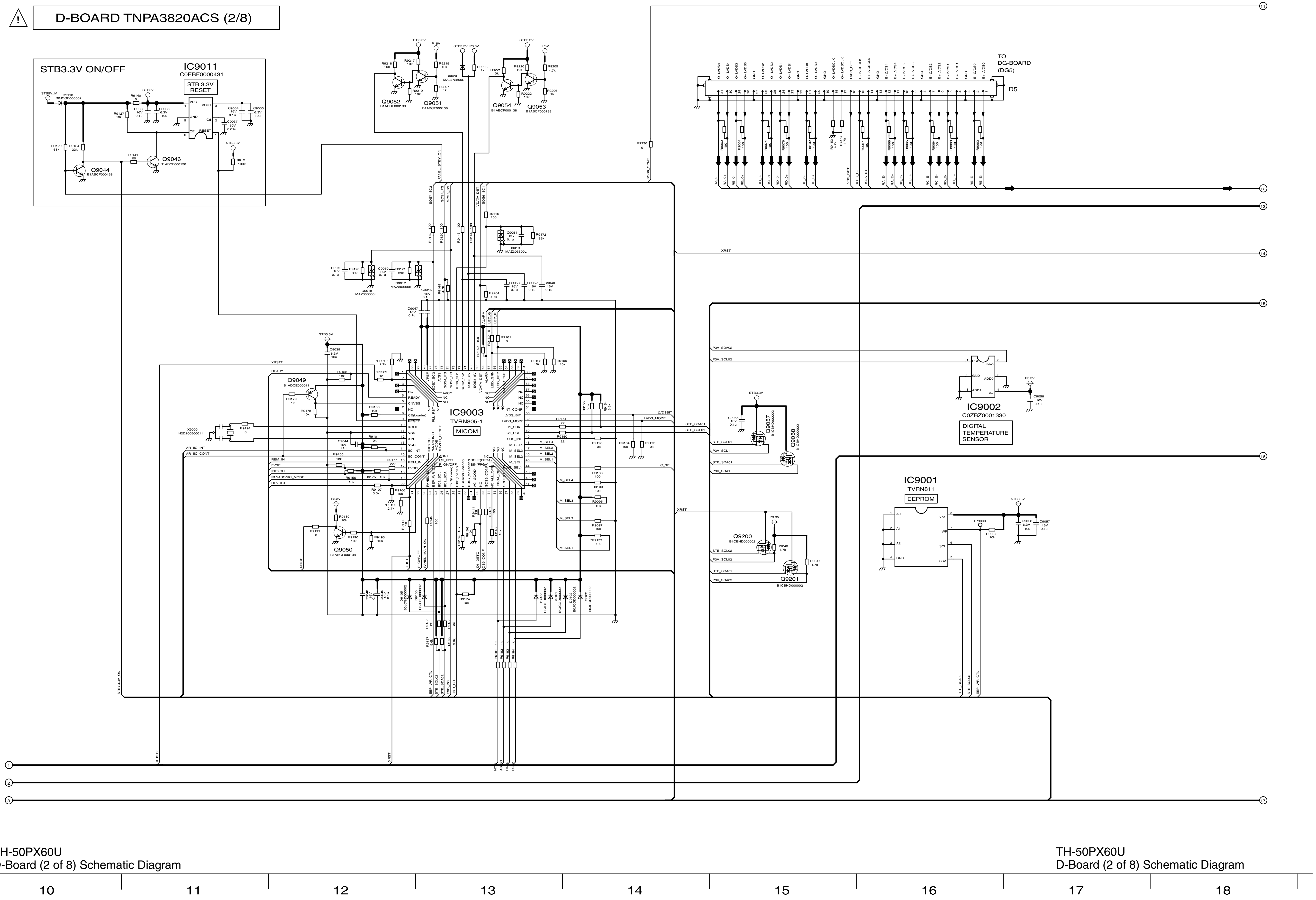
TH-50PX60U
D-Board (2 of 2) Block Diagram

TH-50PX60U
D-Board (2 of 2) Block Diagram

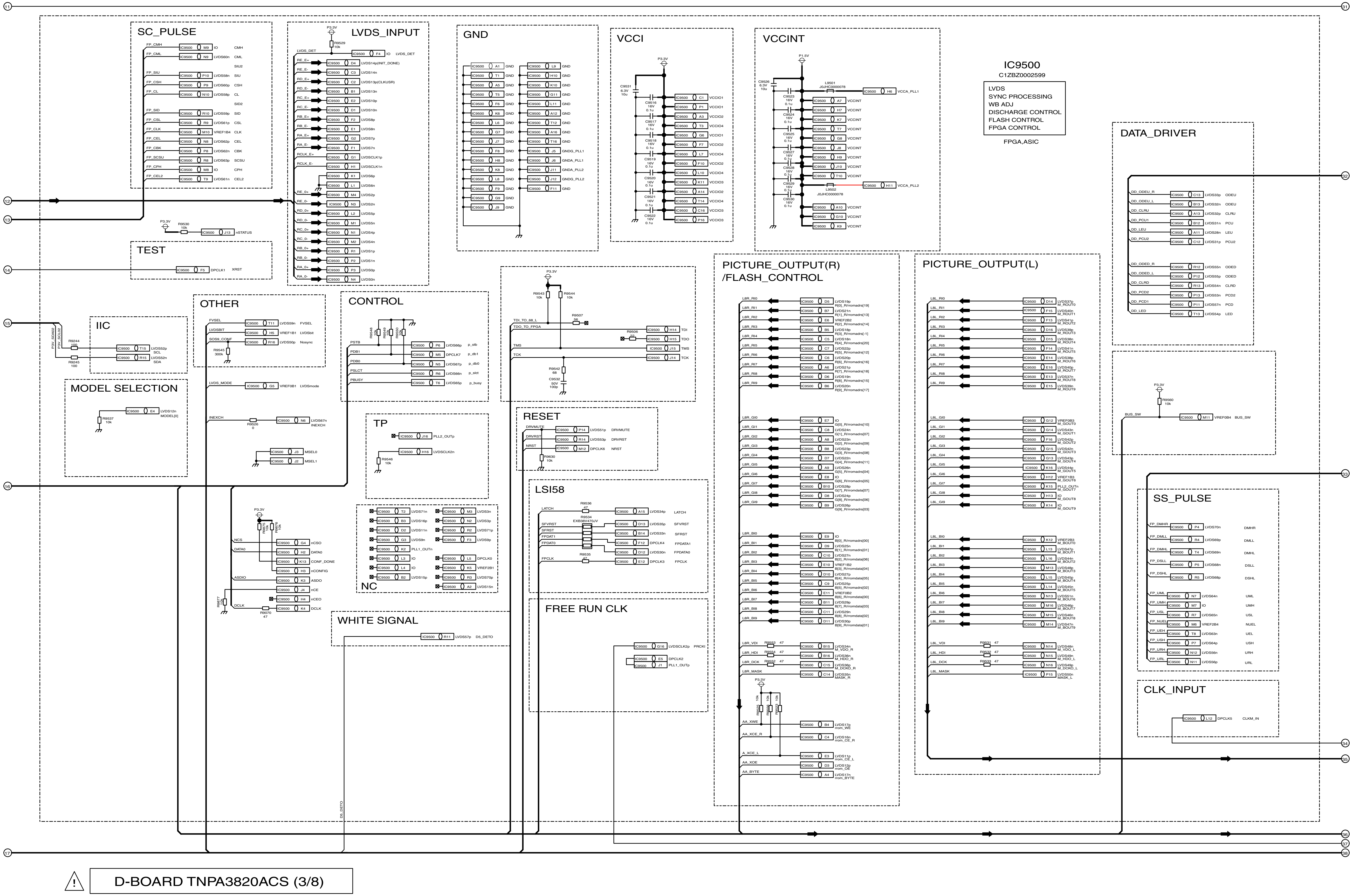
14.37. D-Board (1 of 8) Schematic Diagram


D-BOARD TNPA3820ACS (1/8)
TO P-BOARD (P25)
D25
15V->3.3V
IC9807
C0DBAYY00054
DC-DC CONVERTER 15V → 3.3V
Q9803
15V->1.2V
IC9800
C0DBAYY00054
DC-DC CONVERTER 15V → 1.2V
Q9800
15V->2.5V
IC9809
C0DBAYY00054
DC-DC CONVERTER 15V → 2.5V
Q9801
15V->5V
IC9806
C0DBAHD00011
AVR 5V
2.5V->1.5V
IC9801
C0DBZFG00066
AVR 1.5V
IC9802
C0JBAZ000856
LEVEL CONVERTER
IC9803
C0JBAZ000856
LEVEL CONVERTER
TO DG-BOARD (DG3)
D3
TO SC-BOARD (SC20)
D20
FOR FACTORY USE
D6
Q9805
Q9806
Q9100
IC9007
TVRN814
PROM(FPGA)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TH-50PX60U
D-Board (1 of 8) Schematic Diagram
TH-50PX60U
D-Board (1 of 8) Schematic Diagram

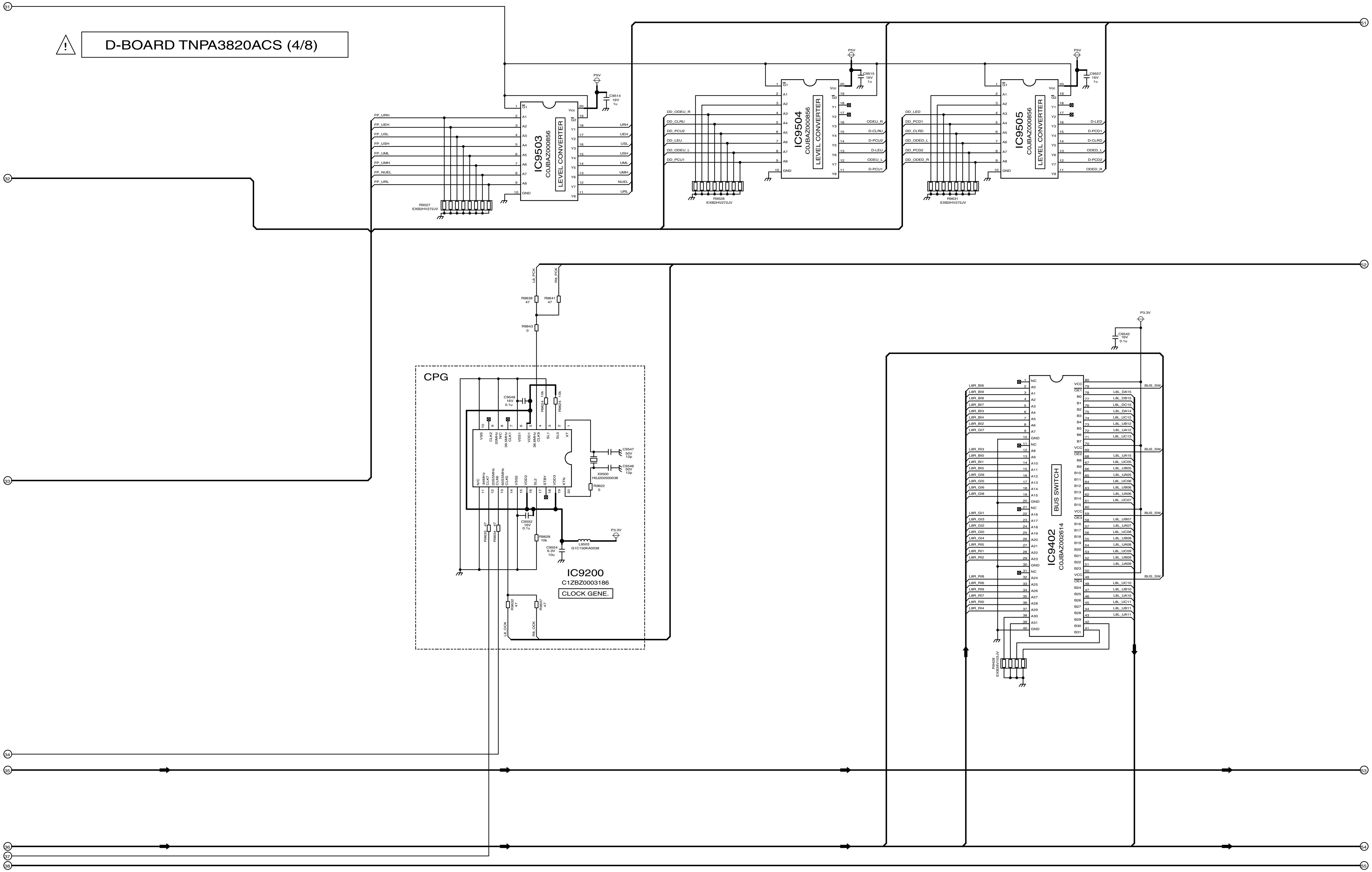
14.38. D-Board (2 of 8) Schematic Diagram


D-BOARD TNPA3820ACS (2/8)
STB3.3V ON/OFF
IC9011
C0EBF0000431
STB 3.3V RESET
Q9044
B1ABCF000138
Q9046
B1ABCF000138
Q9052
B1ABCF000138
Q9051
B1ABCF000138
Q9054
B1ABCF000138
Q9053
B1ABCF000138
TO DG-BOARD (DG5)
D5
IC9003
TVRN805-1
MICOM
Q9049
B1ADCE000011
X9000
H2D200500011
Q9050
B1ABCF000138
IC9002
C0ZBZ0001330
DIGITAL TEMPERATURE SENSOR
Q9057
B1CBHD000002
Q9058
B1CBHD000002
IC9001
TVRN811
EEPROM
Q9200
B1CBHD000002
Q9201
B1CBHD000002
STB3.3V
P3.3V
P5V
P15V
XRST
XRST2
READY
AR_IIC_INT
AR_IIC_CONT
REM_IN
FVSEL
INEXCH
PANASONIC_MODE
DRVRST
STB_SDA01
STB_SCL01
P3V_SDA02
P3V_SCL02
P3V_SDA01
P3V_SCL01
STB_SDA02
STB_SCL02
LVDSBIT
LVDS_MODE
C_SEL
M_SEL1
M_SEL2
M_SEL3
M_SEL4
PANEL_STBY_ON
EEP_WR_CTL
STBY3.3V_ON
NC
ASD
DAD
DC
①
②
③
⑪
⑫
⑬
⑭
⑮
⑯
⑰
10
11
12
13
14
15
16
17
18

14.39. D-Board (3 of 8) Schematic Diagram


SC_PULSE
LVDS_INPUT
GND
VCCI
VCCINT
IC9500
C1ZBZ0002599
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
FPGA,ASIC
DATA_DRIVER
TEST
OTHER
CONTROL
IIC
MODEL SELECTION
TP
RESET
LSI58
NC
WHITE SIGNAL
FREE RUN CLK
PICTURE_OUTPUT(R)
/FLASH_CONTROL
PICTURE_OUTPUT(L)
SS_PULSE
CLK_INPUT
D-BOARD TNPA3820ACS (3/8)

14.40. D-Board (4 of 8) Schematic Diagram

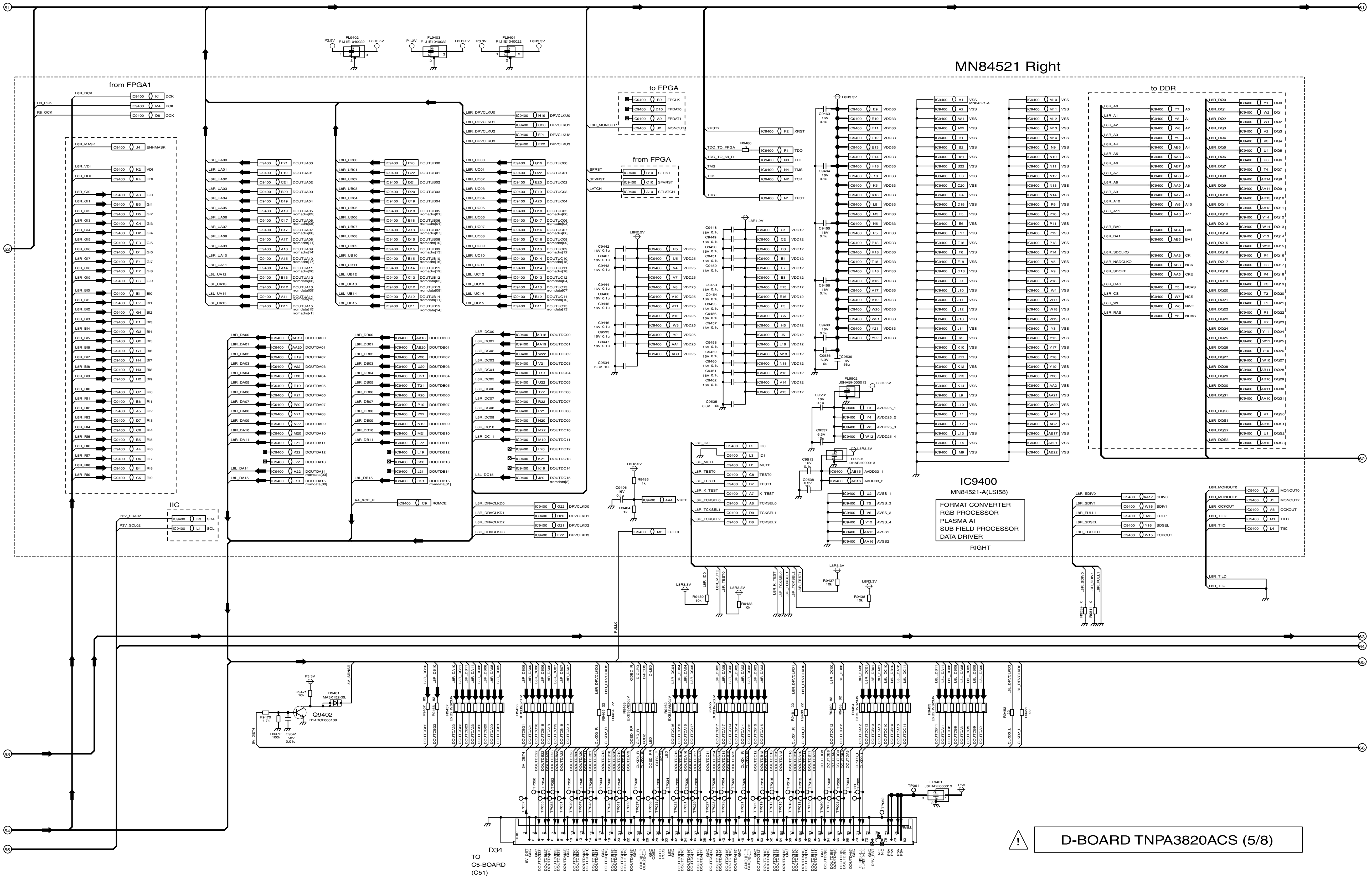

D-BOARD TNPA3820ACS (4/8)
IC9503
C0JBAZ000856
LEVEL CONVERTER
FP_URH
FP_UEH
FP_USL
FP_USH
FP_UML
FP_UMH
FP_NUEL
FP_URL
URH
UEH
USL
USH
UML
UMH
NUEL
URL
R9527
EXB2HV272JV
P5V
C9514
16V
1u
IC9504
C0JBAZ000856
LEVEL CONVERTER
DD_ODEU_R
DD_CLRU
DD_PCU2
DD_LEU
DD_ODEU_L
DD_PCU1
ODEU_R
D-CLRU
D-PCU2
D-LEU
ODEU_L
D-PCU1
R9528
EXB2HV272JV
C9515
16V
1u
IC9505
C0JBAZ000856
LEVEL CONVERTER
DD_LED
DD_PCD1
DD_CLRD
DD_ODED_L
DD_PCD2
DD_ODED_R
D-LED
D-PCD1
D-CLRD
ODED_L
D-PCD2
ODED_R
R9631
EXB2HV272JV
C9557
16V
1u
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
L8_PCK
R8_PCK
R9639
47
R9641
47
R9643
0
CPG
C9548
16V
0.1u
R9624
10k
R9625
10k
VSS
CLK2
20MHz
N/C
39.5MHz
CLK1
VSS1
VDD1
36.6MHz
CLK9
SL1
SL0
XT
N/C
84MHz
CLK7
20SSMHz
CLK6
60SSMHz
CLK5
VSS2
VDD2
SL2
STBY
VDD3
XTN
C9547
50V
12p
C9546
50V
12p
X9500
H0J200500038
R9622
0
C9552
16V
0.1u
R9633
47
R9634
47
R9628
10k
C9554
6.3V
10u
L9503
G1C150KA0038
P3.3V
IC9200
C1ZBZ0003186
CLOCK GENE.
R9632
47
R9637
47
L8_OCK
R8_OCK
P3.3V
C9542
16V
0.1u
IC9402
C0JBAZ002614
BUS SWITCH
NC
A0
A1
A2
A3
A4
A5
A6
A7
GND
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
VCC
OE1
OE2
OE3
OE4
B0
B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B13
B14
B15
B16
B17
B18
B19
B20
B21
B22
B23
B24
B25
B26
B27
B28
B29
B30
B31
L8R_BI6
L8R_BI9
L8R_BI8
L8R_BI7
L8R_BI3
L8R_BI4
L8R_BI2
L8R_GI7
L8R_RI3
L8R_BI0
L8R_BI1
L8R_BI5
L8R_GI9
L8R_GI5
L8R_GI6
L8R_GI8
L8R_GI1
L8R_GI3
L8R_GI2
L8R_GI0
L8R_GI4
L8R_RI5
L8R_RI1
L8R_RI2
L8R_RI8
L8R_RI6
L8R_RI9
L8R_RI7
L8R_RI0
L8R_RI4
BUS_SW
L8L_DA15
L8L_DB15
L8L_DC15
L8L_DA14
L8L_UC12
L8L_UB12
L8L_UA12
L8L_UC13
L8L_UA15
L8L_UC05
L8L_UB05
L8L_UA05
L8L_UC06
L8L_UB06
L8L_UA06
L8L_UC07
L8L_UB07
L8L_UA07
L8L_UC08
L8L_UB08
L8L_UA08
L8L_UC09
L8L_UB09
L8L_UA09
L8L_UC10
L8L_UB10
L8L_UA10
L8L_UC11
L8L_UB11
L8L_UA11
R9428
EXB38V103JV

TH-50PX60U
D-Board (4 of 8) Schematic Diagram

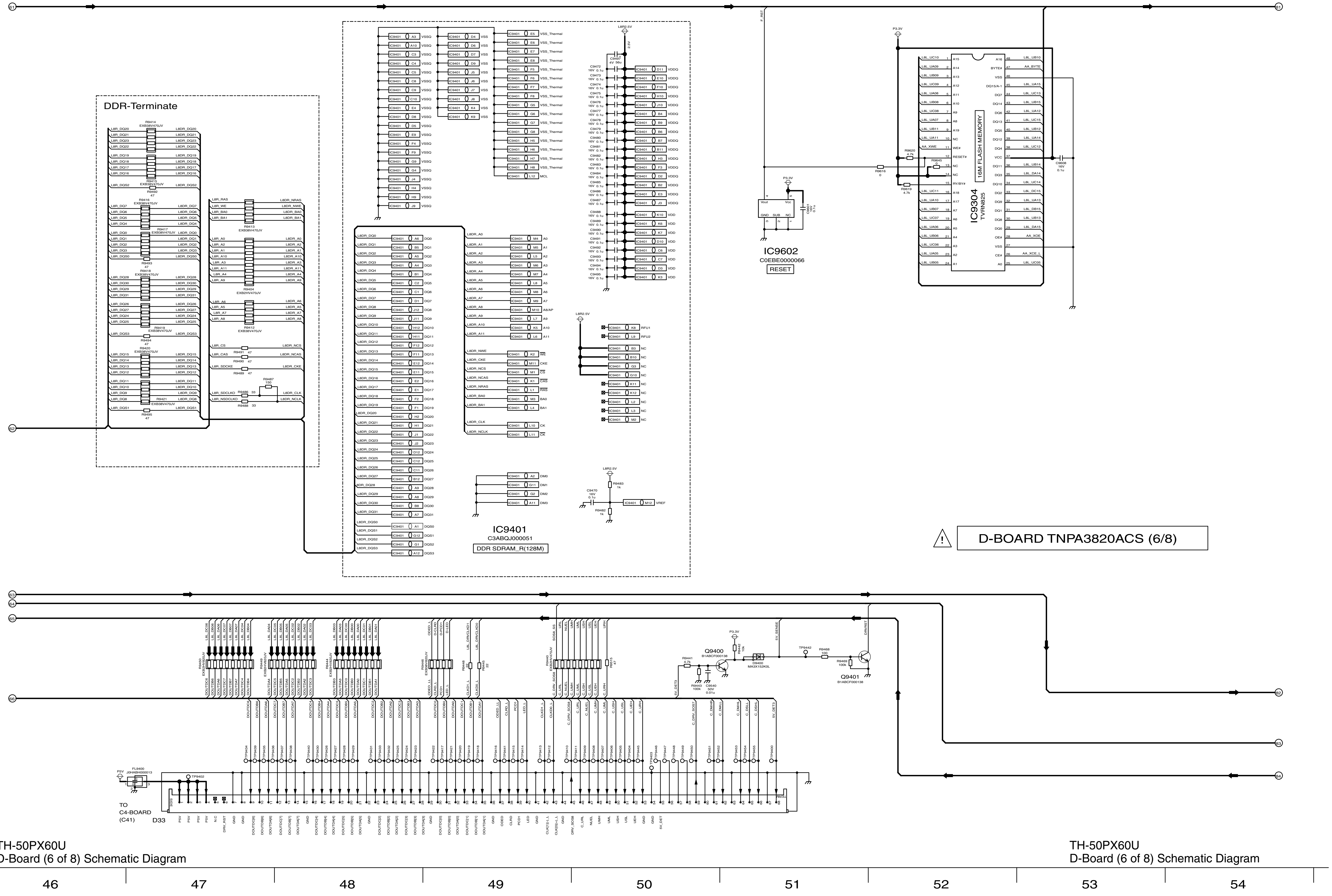
TH-50PX60U
D-Board (4 of 8) Schematic Diagram

28	29	30	31	32	33	34	35	36

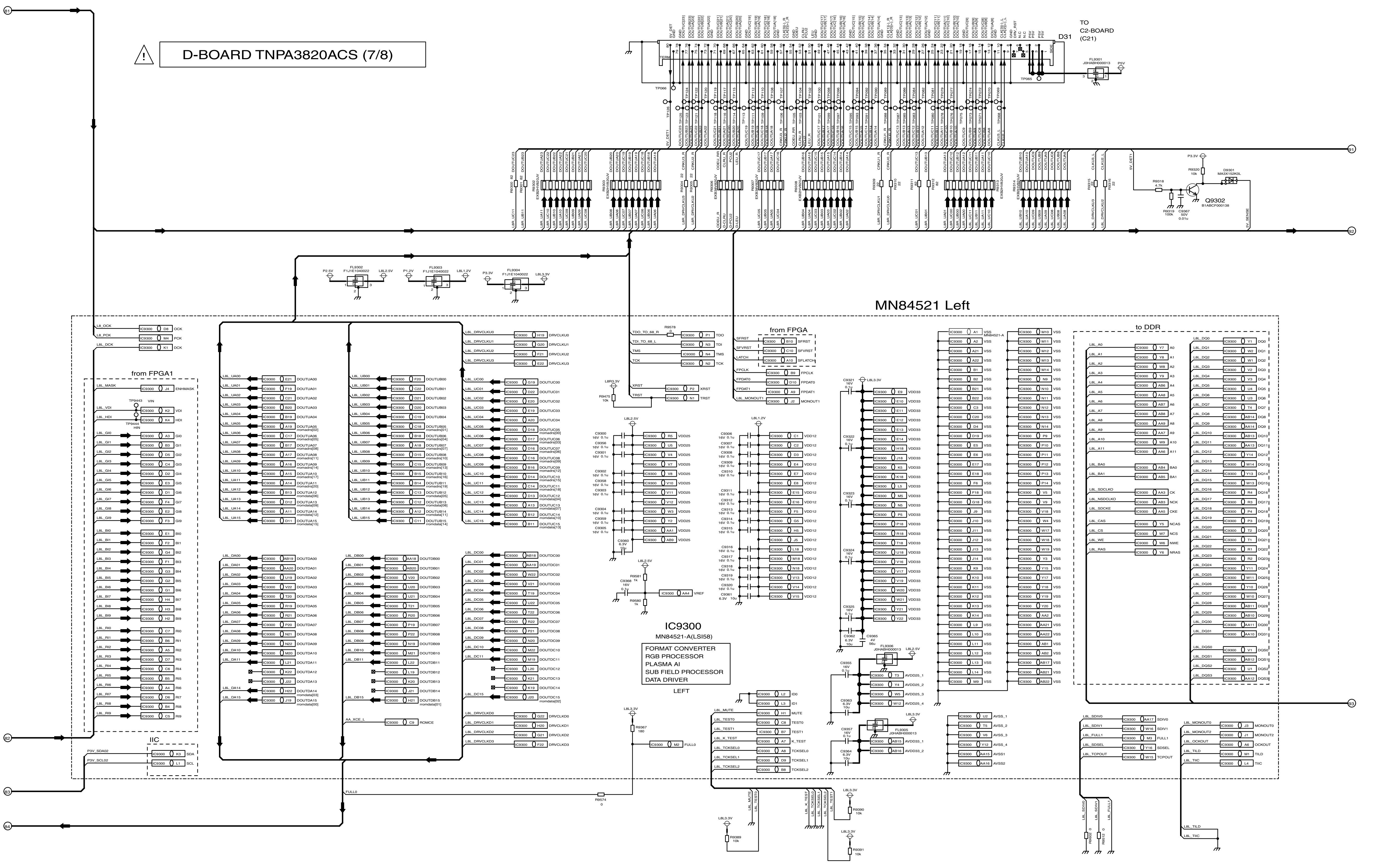
14.41. D-Board (5 of 8) Schematic Diagram


MN84521 Right
from FPGA1
to FPGA
from FPGA
to DDR
IIC
IC9400
MN84521-A(LSI58)
FORMAT CONVERTER
RGB PROCESSOR
PLASMA AI
SUB FIELD PROCESSOR
DATA DRIVER
RIGHT
FL9402
FL9403
FL9404
Q9402
B1ABCF000138
D9401
MA3X152K0L
D34
TO
C5-BOARD
(C51)
FL9401
D-BOARD TNPA3820ACS (5/8)

14.42. D-Board (6 of 8) Schematic Diagram


DDR-Terminate
IC9401
C3ABQJ000051
DDR SDRAM_R(128M)
IC9602
C0EBE0000066
RESET
IC9304
TVRN825
16M FLASH MEMORY
D-BOARD TNPA3820ACS (6/8)
Q9400
B1ABCF000138
Q9401
B1ABCF000138
FL9400
J0HAEB000013
TP9402
TO
C4-BOARD
(C41)
D33
46
47
48
49
50
51
52
53
54

14.43. D-Board (7 of 8) Schematic Diagram

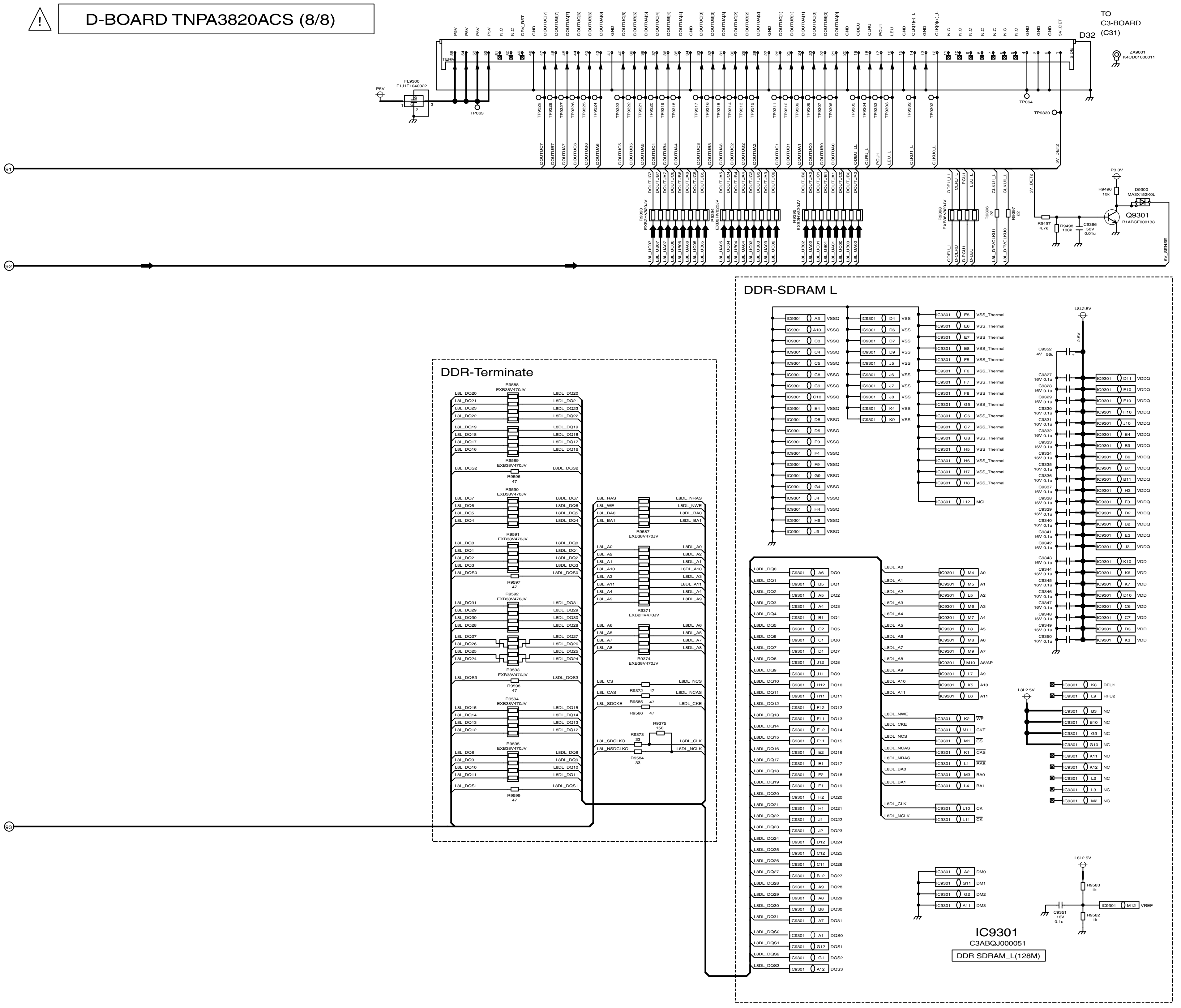

D-BOARD TNPA3820ACS (7/8)
TO
C2-BOARD
(C21)
D31
FL9301
J0HAB000013
P5V
FL9302
F1J1E104002
FL9303
F1J1E104002
FL9304
F1J1E104002
P2.5V
L8L2.5V
P1.2V
L8L1.2V
P3.3V
L8L3.3V
Q9302
B1ABCF000138
D9301
MA3X152K0L
MN84521 Left
from FPGA1
from FPGA
to DDR
IIC
IC9300
MN84521-A(LSI58)
FORMAT CONVERTER
RGB PROCESSOR
PLASMA AI
SUB FIELD PROCESSOR
DATA DRIVER
LEFT
FL9305
J0HAB000013
FL9306
J0HAB000013
FULL0
R9574
0
G1
G2
G3
G4
Q1
Q2
Q3

TH-50PX60U
D-Board (7 of 8) Schematic Diagram

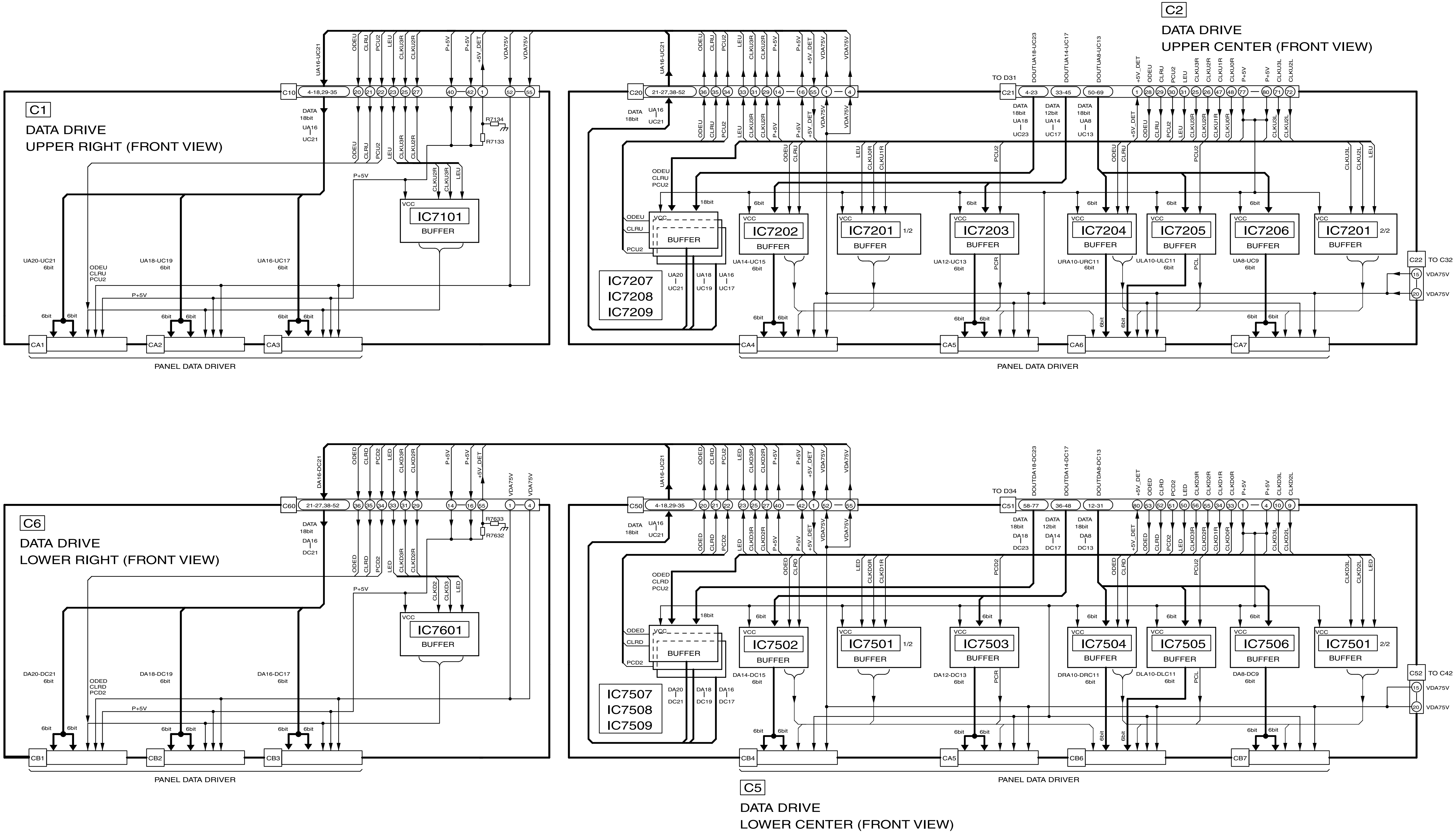
TH-50PX60U
D-Board (7 of 8) Schematic Diagram

55	56	57	58	59	60	61	62	63

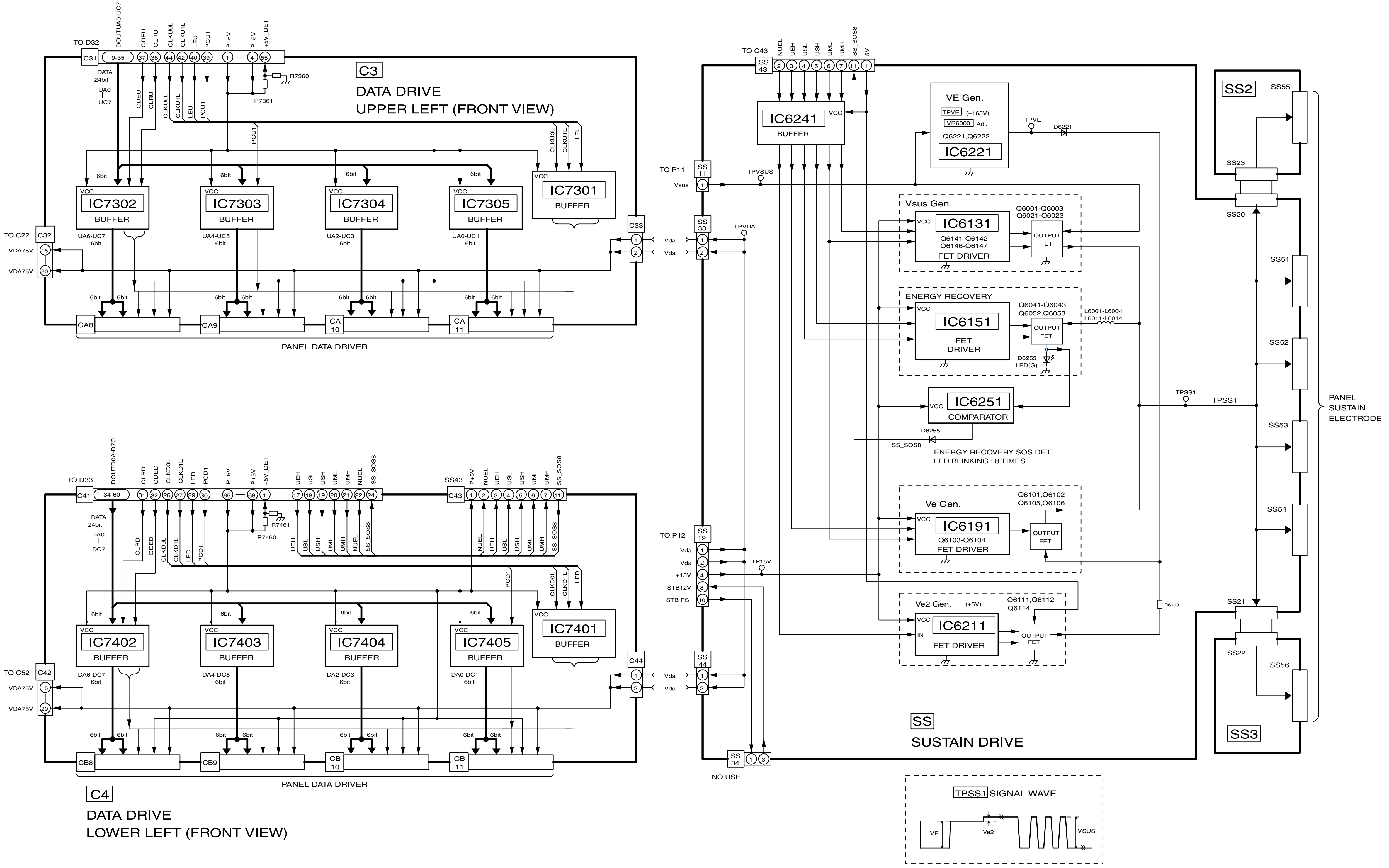
14.44. D-Board (8 of 8) Schematic Diagram


D-BOARD TNPA3820ACS (8/8)
TO
C3-BOARD
(C31)
D32
FL9300
F1J1E1040022
Q9301
B1ABCF000138
DDR-SDRAM L
DDR-Terminate
IC9301
C3ABQJ000051
DDR SDRAM_L(128M)

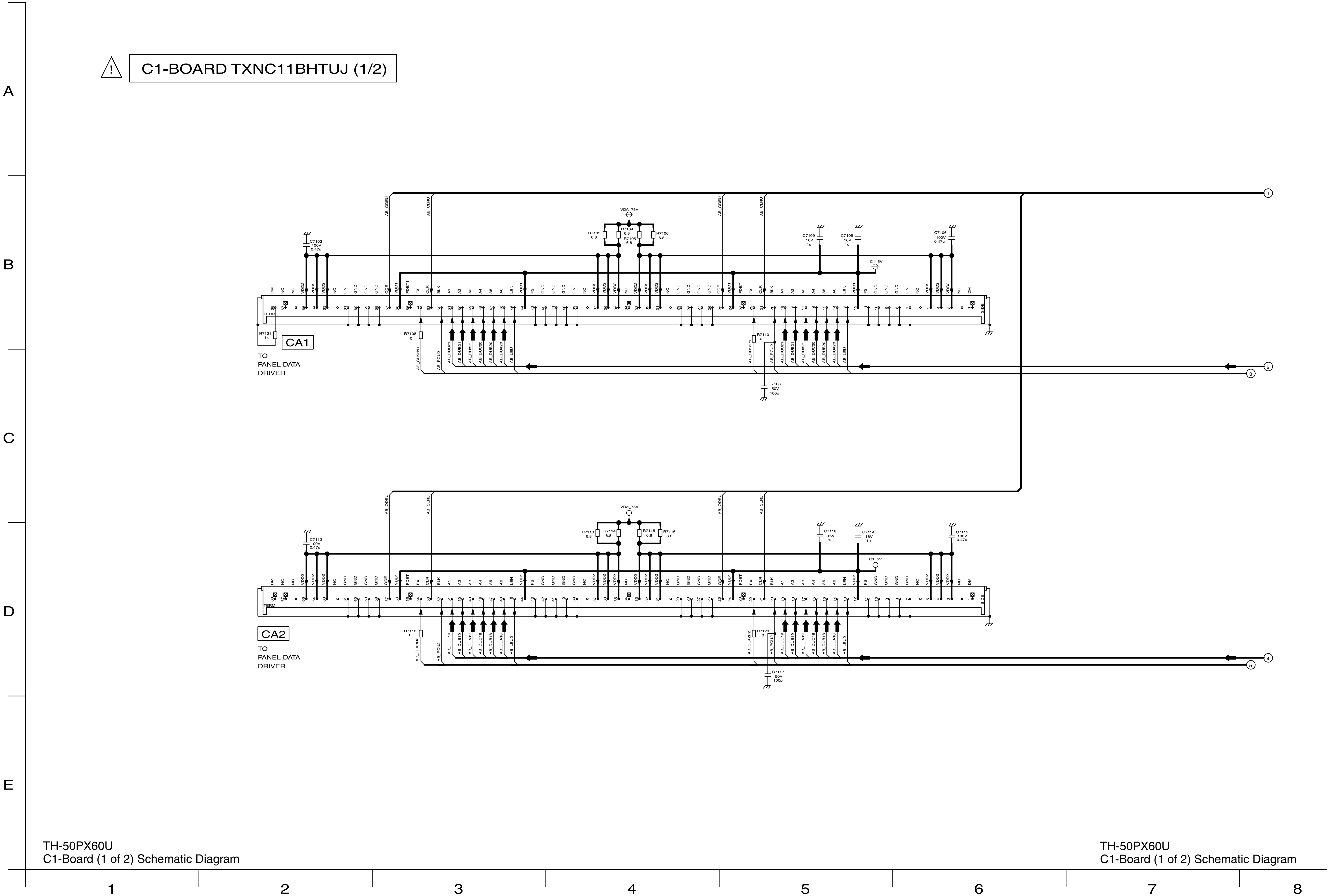
14.45. C1, C2, C5 and C6-Block Diagram


C1
DATA DRIVE
UPPER RIGHT (FRONT VIEW)
C2
DATA DRIVE
UPPER CENTER (FRONT VIEW)
C6
DATA DRIVE
LOWER RIGHT (FRONT VIEW)
C5
DATA DRIVE
LOWER CENTER (FRONT VIEW)
C10
C20
C21
C22
C50
C51
C52
C60
TO D31
TO D34
TO C32
TO C42
IC7101
IC7201 1/2
IC7201 2/2
IC7202
IC7203
IC7204
IC7205
IC7206
IC7207
IC7208
IC7209
IC7601
IC7501 1/2
IC7501 2/2
IC7502
IC7503
IC7504
IC7505
IC7506
IC7507
IC7508
IC7509
BUFFER
VCC
R7134
R7133
R7633
R7632
CA1
CA2
CA3
CA4
CA5
CA6
CA7
CB1
CB2
CB3
CB4
CB6
CB7
PANEL DATA DRIVER
ODEU
CLRU
PCU2
LEU
CLKU3R
CLKU2R
CLKU1R
CLKU0R
CLKU3L
CLKU2L
ODED
CLRD
PCD2
LED
CLKD3R
CLKD2R
CLKD1R
CLKD0R
CLKD3L
CLKD2L
P+5V
+5V_DET
VDA75V
PCR
PCL
DATA 18bit
DATA 12bit
UA16-UC21
UA20-UC21
UA18-UC19
UA16-UC17
UA14-UC15
UA12-UC13
URA10-URC11
ULA10-ULC11
UA8-UC9
DOUTUA18-UC23
DOUTUA14-UC17
DOUTUA8-UC13
DA16-DC21
DA20-DC21
DA18-DC19
DA16-DC17
DA14-DC15
DA12-DC13
DRA10-DRC11
DLA10-DLC11
DA8-DC9
DOUTDA18-DC23
DOUTDA14-DC17
DOUTDA8-DC13
6bit
18bit
4-18,29-35
21-27,38-52
4-23
33-45
50-69
58-77
36-48
12-31

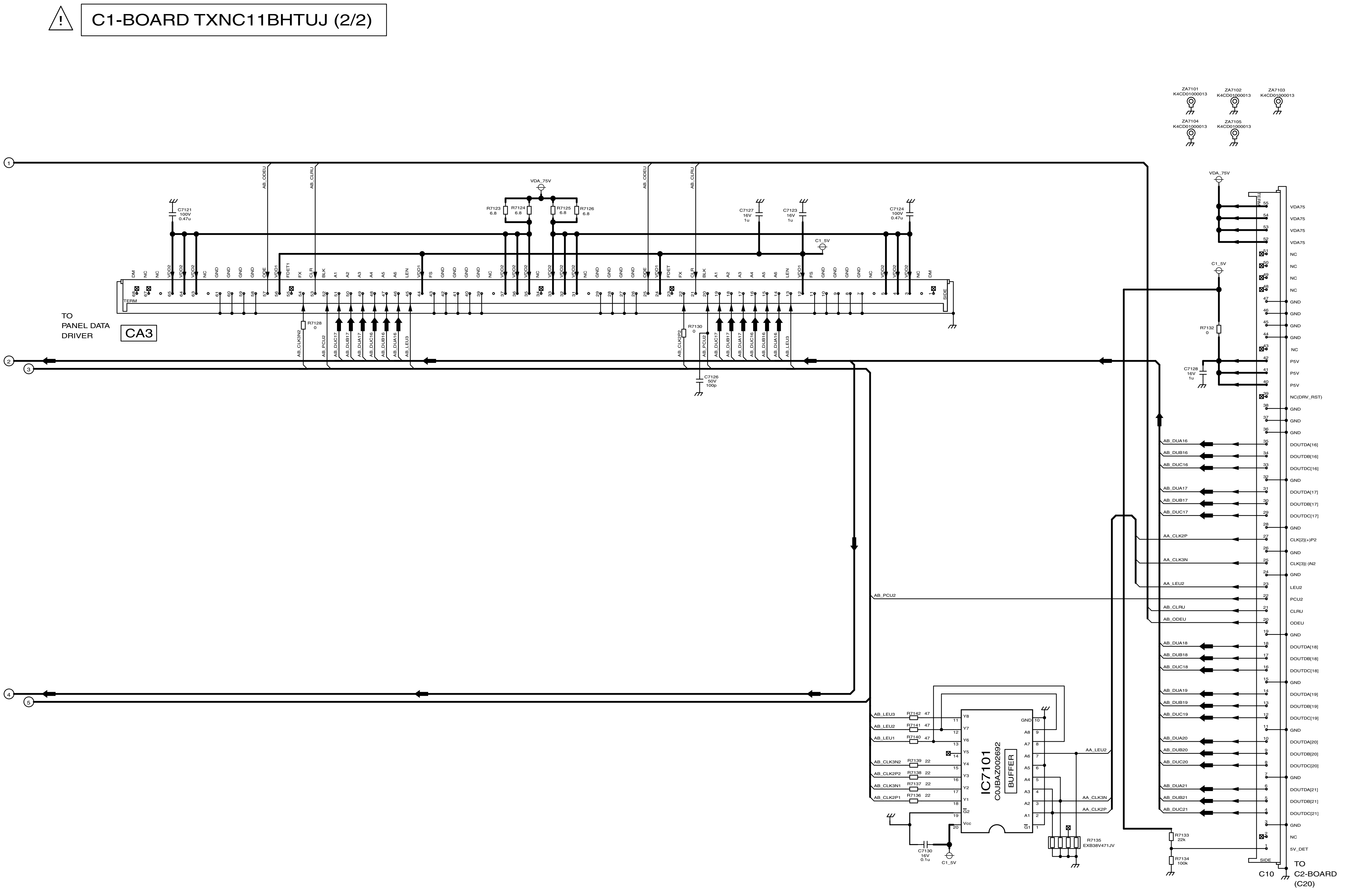
14.46. C3, C4, SS, SS2 and SS3-Board Block Diagram


C3
DATA DRIVE
UPPER LEFT (FRONT VIEW)
TO D32
C31
9-35
DOUTUA0-UC7
ODEU
CLRU
CLKU0L
CLKU1L
LEU
PCU1
P+5V
+5V_DET
R7360
R7361
DATA
24bit
UA0
UC7
IC7302
IC7303
IC7304
IC7305
IC7301
BUFFER
VCC
6bit
UA6-UC7
UA4-UC5
UA2-UC3
UA0-UC1
TO C22
C32
VDA75V
C33
Vda
CA8
CA9
CA 10
CA 11
PANEL DATA DRIVER
C4
DATA DRIVE
LOWER LEFT (FRONT VIEW)
TO D33
C41
34-60
DOUTDA0-D7C
CLRD
ODED
CLKD0L
CLKD1L
LED
PCD1
R7460
R7461
DA0
DC7
IC7402
IC7403
IC7404
IC7405
IC7401
DA6-DC7
DA4-DC5
DA2-DC3
DA0-DC1
TO C52
C42
C44
CB8
CB9
CB 10
CB 11
SS43
C43
UEH
USL
USH
UML
UMH
NUEL
SS_SOS8
TO C43
SS 43
5V
IC6241
BUFFER
TO P11
SS 11
Vsus
TPVSUS
SS 33
TPVDA
VE Gen.
TPVE
(+165V)
VR6000
Adj.
Q6221,Q6222
IC6221
D6221
Vsus Gen.
IC6131
Q6001-Q6003
Q6021-Q6023
Q6141-Q6142
Q6146-Q6147
FET DRIVER
OUTPUT FET
ENERGY RECOVERY
IC6151
Q6041-Q6043
Q6052,Q6053
L6001-L6004
L6011-L6014
FET DRIVER
D6253
LED(G)
IC6251
COMPARATOR
D6255
SS_SOS8
ENERGY RECOVERY SOS DET
LED BLINKING : 8 TIMES
TPSS1
Ve Gen.
IC6191
Q6101,Q6102
Q6105,Q6106
Q6103-Q6104
TO P12
SS 12
Vda
+15V
STB12V
STB PS
TP15V
Ve2 Gen.
(+5V)
IC6211
Q6111,Q6112
Q6114
IN
R6113
SS 44
SS 34
NO USE
SS
SUSTAIN DRIVE
SS2
SS55
SS23
SS20
SS51
SS52
SS53
SS54
SS21
SS22
SS56
SS3
PANEL
SUSTAIN
ELECTRODE
TPSS1 SIGNAL WAVE
VE
Ve2
VSUS

14.47. C1-Board (1 of 2) Schematic Diagram


A
B
C
D
E
1
2
3
4
5
6
7
8
C1-BOARD TXNC11BHTUJ (1/2)
CA1
TO
PANEL DATA
DRIVER
CA2
TO
PANEL DATA
DRIVER
TERM
SIDE
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
AB_ODEU
AB_CLRU
VDA_75V
C1_5V
R7103 6.8
R7104 6.8
R7105 6.8
R7106 6.8
C7103 100V 0.47u
C7109 16V 1u
C7105 16V 1u
C7106 100V 0.47u
R7131 1k
R7108 0
R7110 0
C7108 50V 100p
AB_CLK3N1
AB_PCU2
AB_DUC21
AB_DUB21
AB_DUA21
AB_DUC20
AB_DUB20
AB_DUA20
AB_LEU1
AB_CLK2P1
R7113 6.8
R7114 6.8
R7115 6.8
R7116 6.8
C7112 100V 0.47u
C7118 16V 1u
C7114 16V 1u
C7115 100V 0.47u
R7118 0
R7120 0
C7117 50V 100p
AB_CLK3N2
AB_DUC19
AB_DUB19
AB_DUA19
AB_DUC18
AB_DUB18
AB_DUA18
AB_LEU2
AB_CLK2P2
1
2
3
4
5

14.48. C1-Board (2 of 2) Schematic Diagram

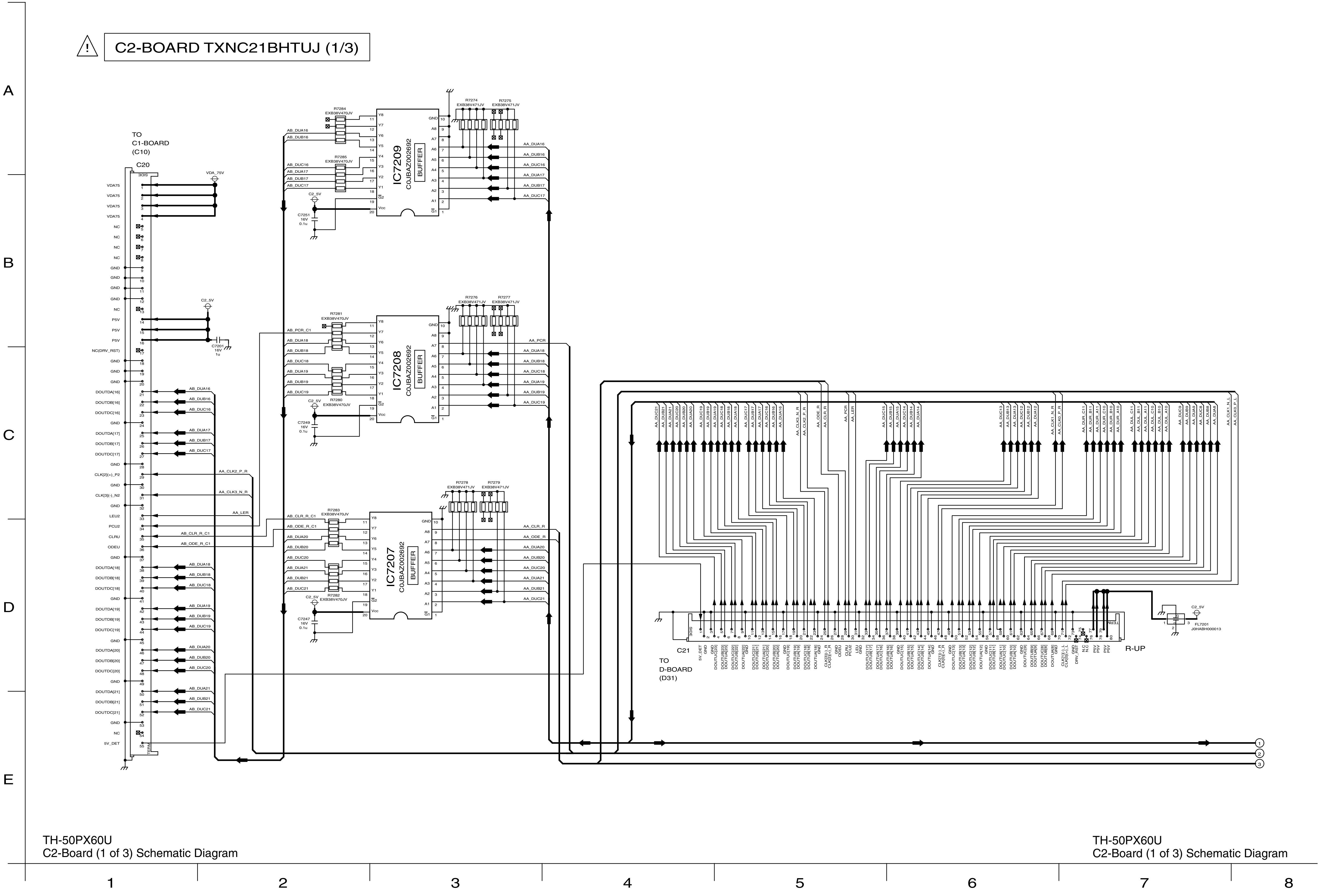

C1-BOARD TXNC11BHTUJ (2/2)
ZA7101 K4CD01000013
ZA7102 K4CD01000013
ZA7103 K4CD01000013
ZA7104 K4CD01000013
ZA7105 K4CD01000013
VDA_75V
C7121 100V 0.47u
R7123 6.8
R7124 6.8
R7125 6.8
R7126 6.8
C7127 16V 1u
C7123 16V 1u
C7124 100V 0.47u
C1_5V
AB_ODEU
AB_CLRU
TERM
SIDE
TO PANEL DATA DRIVER
CA3
R7128 0
R7130 0
C7126 50V 100p
AB_CLK3N2
AB_PCU2
AB_DUC17
AB_DUB17
AB_DUA17
AB_DUC16
AB_DUB16
AB_DUA16
AB_LEU3
AB_CLK2P2
R7132 0
C7128 16V 1u
VDA75
NC
GND
P5V
NC(DRV_RST)
DOUTDA[16]
DOUTDB[16]
DOUTDC[16]
DOUTDA[17]
DOUTDB[17]
DOUTDC[17]
CLK[2](+)P2
CLK[3](-)N2
LEU2
PCU2
CLRU
ODEU
DOUTDA[18]
DOUTDB[18]
DOUTDC[18]
DOUTDA[19]
DOUTDB[19]
DOUTDC[19]
DOUTDA[20]
DOUTDB[20]
DOUTDC[20]
DOUTDA[21]
DOUTDB[21]
DOUTDC[21]
5V_DET
AA_CLK2P
AA_CLK3N
AA_LEU2
AB_PCU2
AB_DUA18
AB_DUB18
AB_DUC18
AB_DUA19
AB_DUB19
AB_DUC19
AB_DUA20
AB_DUB20
AB_DUC20
AB_DUA21
AB_DUB21
AB_DUC21
AB_LEU3
AB_LEU2
AB_LEU1
AB_CLK3N2
AB_CLK2P2
AB_CLK3N1
AB_CLK2P1
R7142 47
R7141 47
R7140 47
R7139 22
R7138 22
R7137 22
R7136 22
IC7101
C0JBAZ002692
BUFFER
C7130 16V 0.1u
R7135 EXB38V471JV
R7133 22k
R7134 100k
C10
TO C2-BOARD (C20)
1
2
3
4
5

TH-50PX60U
C1-Board (2 of 2) Schematic Diagram

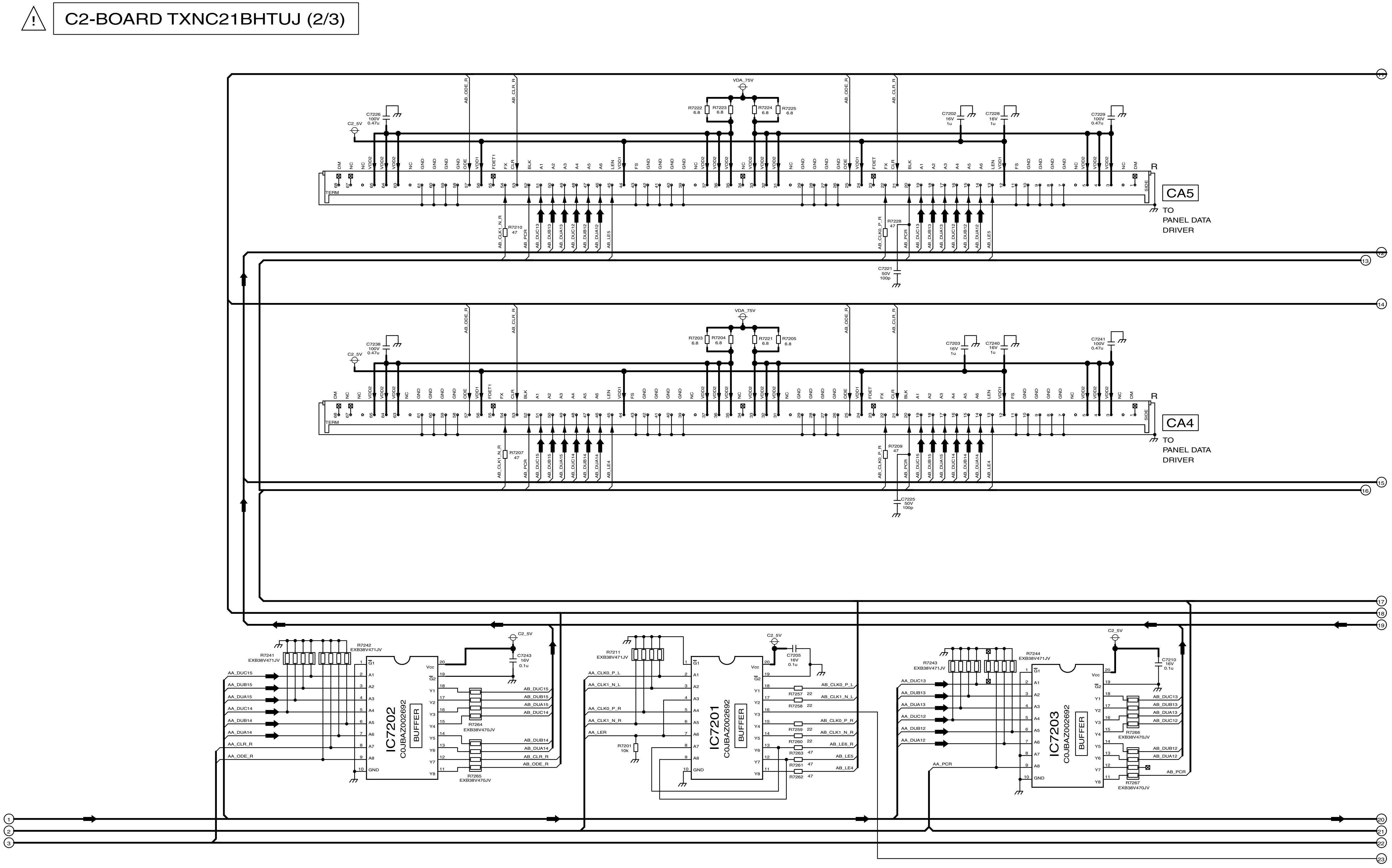
TH-50PX60U
C1-Board (2 of 2) Schematic Diagram

8 9 10 11 12 13 14 15

14.49. C2-Board (1 of 3) Schematic Diagram


C2-BOARD TXNC21BHTUJ (1/3)
TO C1-BOARD (C10)
C20
TO D-BOARD (D31)
C21
R-UP
IC7209
C0JBAZ002692
BUFFER
IC7208
C0JBAZ002692
BUFFER
IC7207
C0JBAZ002692
BUFFER
R7284 EXB38V470JV
R7285 EXB38V470JV
R7274 EXB38V471JV
R7275 EXB38V471JV
R7281 EXB38V470JV
R7280 EXB38V470JV
R7276 EXB38V471JV
R7277 EXB38V471JV
R7283 EXB38V470JV
R7282 EXB38V470JV
R7278 EXB38V471JV
R7279 EXB38V471JV
C7251 16V 0.1u
C7249 16V 0.1u
C7247 16V 0.1u
C7201 16V 1u
FL7201 J0HABH000013
C2_5V
VDA_75V
A
B
C
D
E
1
2
3
4
5
6
7
8
TH-50PX60U
C2-Board (1 of 3) Schematic Diagram
TH-50PX60U
C2-Board (1 of 3) Schematic Diagram

14.50. C2-Board (2 of 3) Schematic Diagram



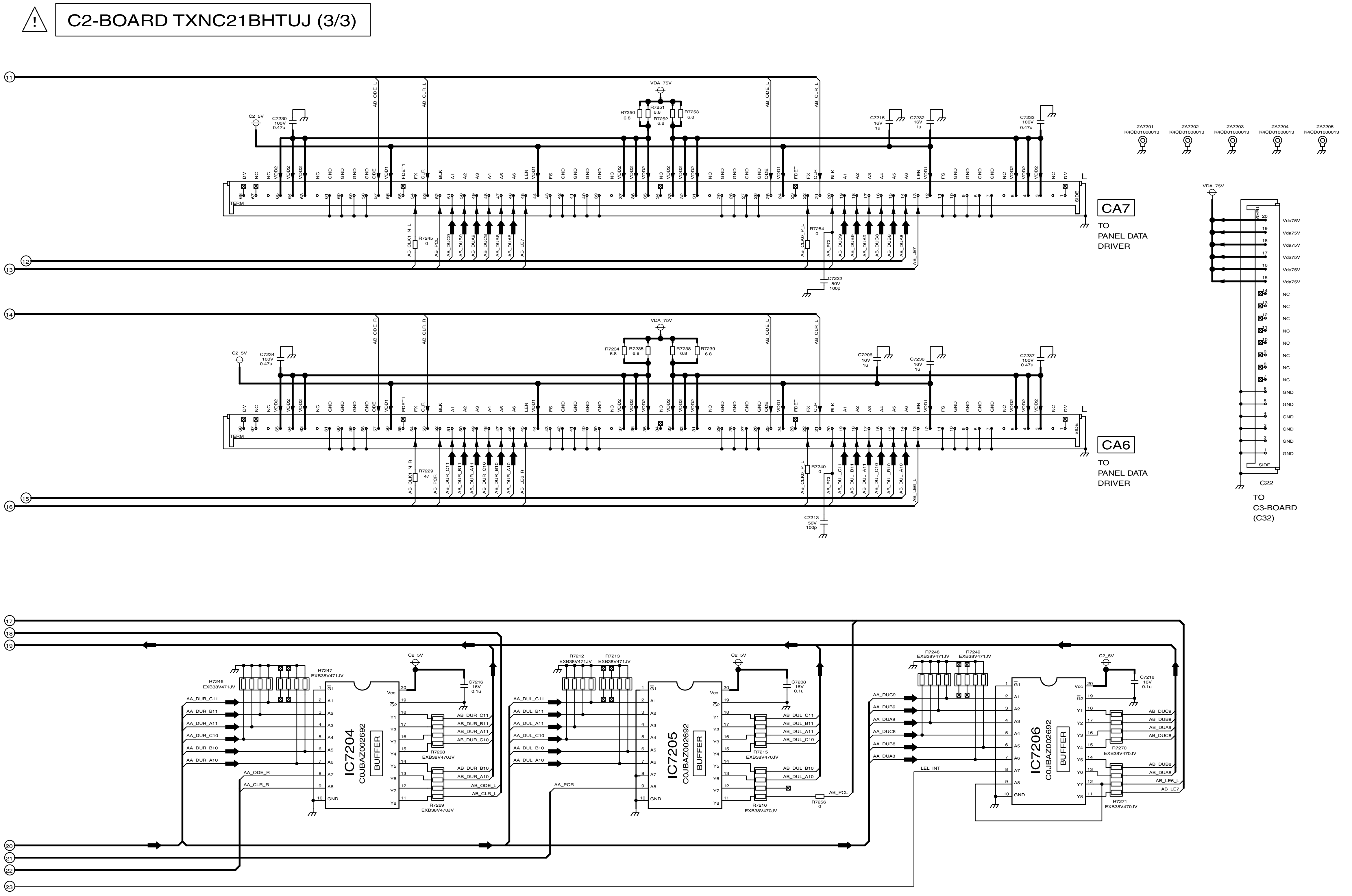
⚠ C2-BOARD TXNC21BHTUJ (2/3)
VDA_75V
R7222 6.8
R7223 6.8
R7224 6.8
R7225 6.8
C7226 100V 0.47u
C2_5V
C7202 16V 1u
C7228 16V 1u
C7229 100V 0.47u
AB_ODE_R
AB_CLR_R
TERM
SIDE
CA5
TO PANEL DATA DRIVER
R7210 47
R7228 47
AB_CLK1_N_R
AB_PCR
AB_DUC13
AB_DUB13
AB_DUA13
AB_DUC12
AB_DUB12
AB_DUA12
AB_LE5
AB_CLK0_P_R
C7221 50V 100p
R7203 6.8
R7204 6.8
R7221 6.8
R7205 6.8
C7238 100V 0.47u
C7203 16V 1u
C7240 16V 1u
C7241 100V 0.47u
CA4
TO PANEL DATA DRIVER
R7207 47
R7209 47
AB_DUC15
AB_DUB15
AB_DUA15
AB_DUC14
AB_DUB14
AB_DUA14
AB_LE4
C7225 50V 100p
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
R
R7241 EXB38V471JV
R7242 EXB38V471JV
C2_5V
C7243 16V 0.1u
AA_DUC15
AA_DUB15
AA_DUA15
AA_DUC14
AA_DUB14
AA_DUA14
AA_CLR_R
AA_ODE_R
IC7202
C0JBAZ002692
BUFFER
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
AB_DUC15
AB_DUB15
AB_DUA15
AB_DUC14
R7264 EXB38V470JV
AB_DUB14
AB_DUA14
AB_CLR_R
AB_ODE_R
R7265 EXB38V470JV
R7211 EXB38V471JV
C2_5V
C7205 16V 0.1u
AA_CLK0_P_L
AA_CLK1_N_L
AA_CLK0_P_R
AA_CLK1_N_R
AA_LER
R7201 10k
IC7201
C0JBAZ002692
BUFFER
AB_CLK0_P_L
R7257 22
AB_CLK1_N_L
R7258 22
AB_CLK0_P_R
R7259 22
AB_CLK1_N_R
R7260 22
AB_LE6_R
R7263 47
AB_LE5
R7261 47
AB_LE4
R7262 47
R7243 EXB38V471JV
R7244 EXB38V471JV
C2_5V
C7210 16V 0.1u
AA_DUC13
AA_DUB13
AA_DUA13
AA_DUC12
AA_DUB12
AA_DUA12
AA_PCR
IC7203
C0JBAZ002692
BUFFER
AB_DUC13
AB_DUB13
AB_DUA13
AB_DUC12
R7266 EXB38V470JV
AB_DUB12
AB_DUA12
AB_PCR
R7267 EXB38V470JV
1
2
3
11
12
13
14
15
16
17
18
19
20
21
22
23

TH-50PX60U
C2-Board (2 of 3) Schematic Diagram

TH-50PX60U
C2-Board (2 of 3) Schematic Diagram

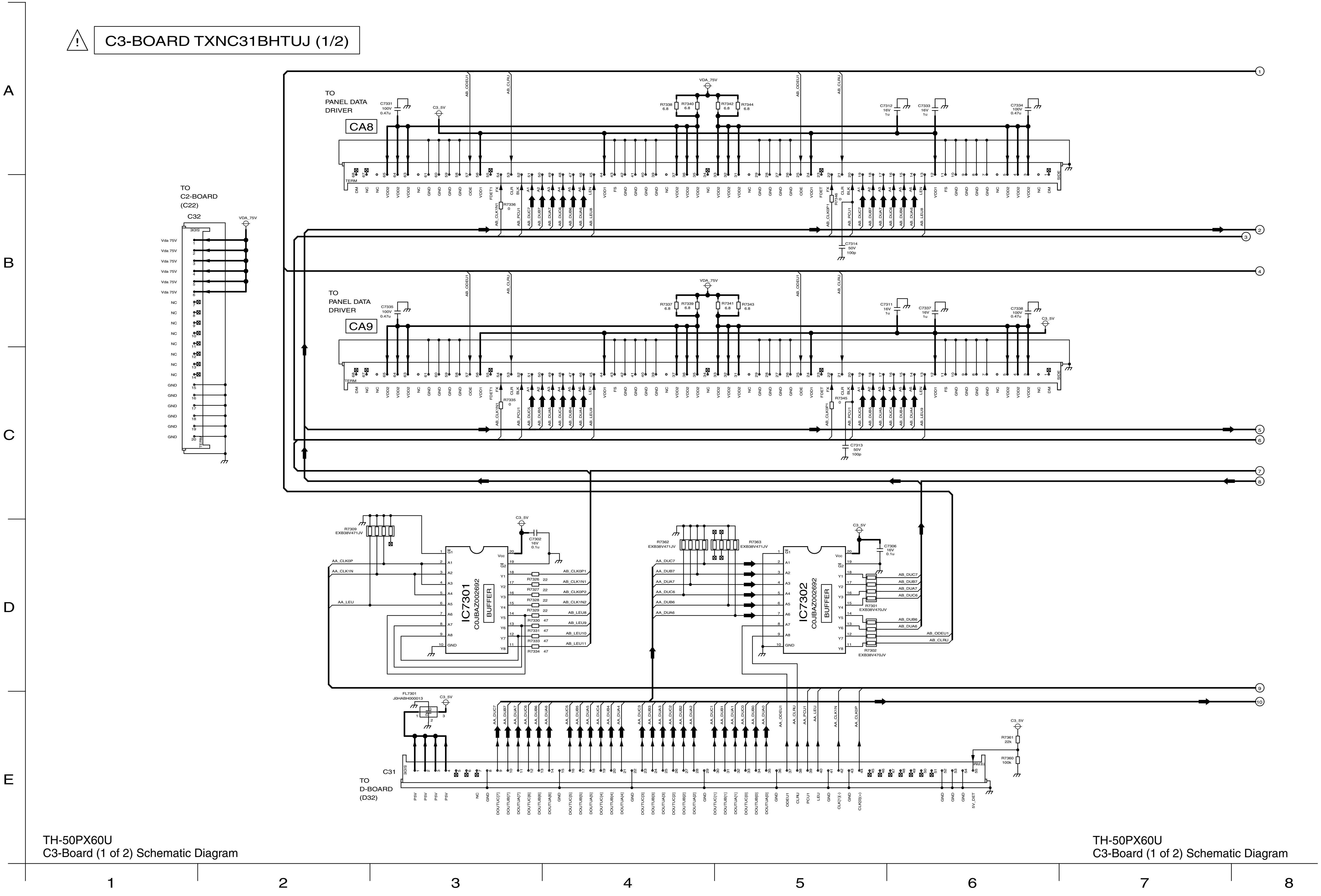
8 9 10 11 12 13 14 15

14.51. C2-Board (3 of 3) Schematic Diagram

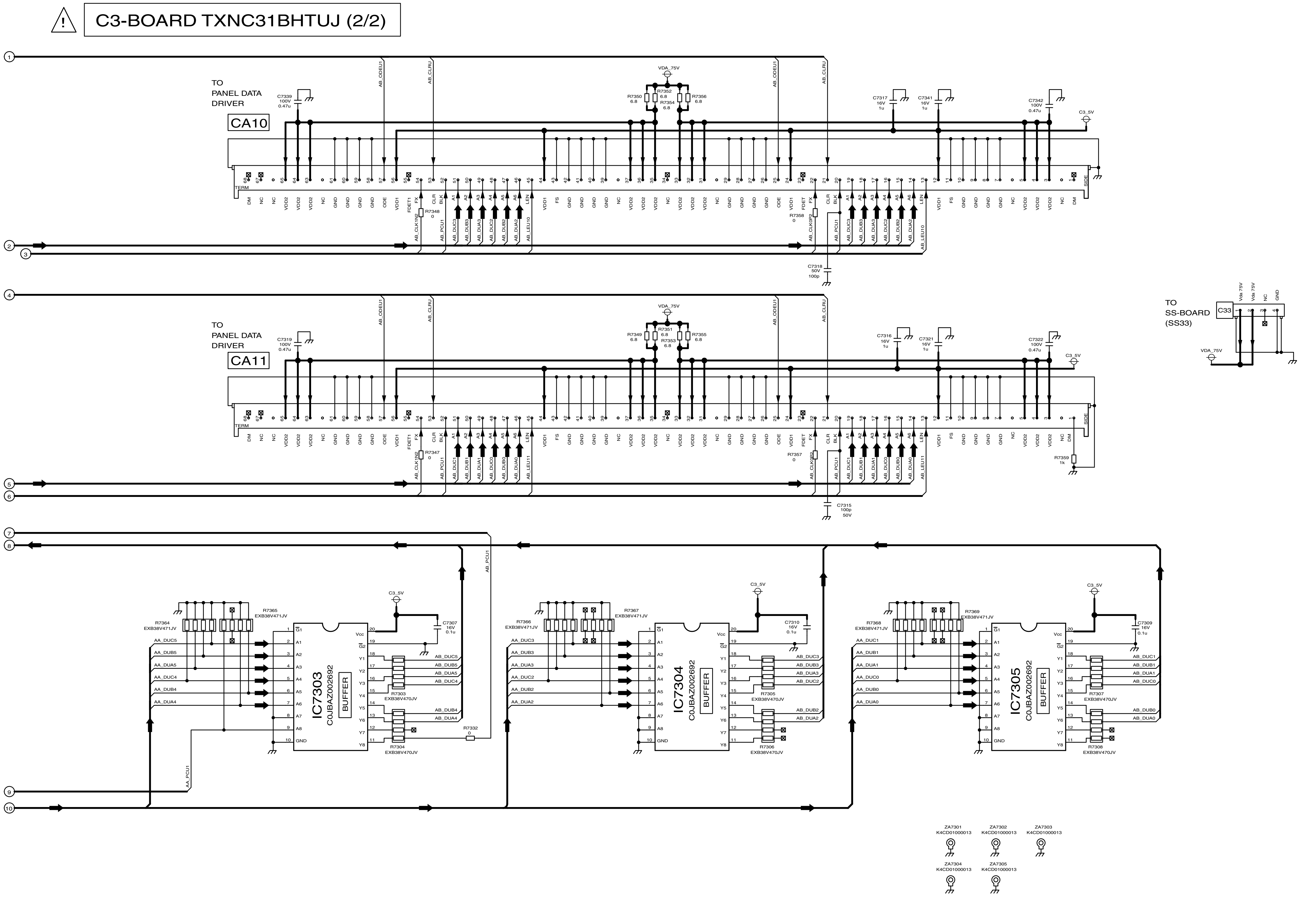

C2-BOARD TXNC21BHTUJ (3/3)
VDA_75V
C2_5V
AB_ODE_L
AB_CLR_L
AB_ODE_R
AB_CLR_R
R7250 6.8
R7251 6.8
R7252 6.8
R7253 6.8
R7234 6.8
R7235 6.8
R7238 6.8
R7239 6.8
C7230 100V 0.47u
C7215 16V 1u
C7232 16V 1u
C7233 100V 0.47u
C7234 100V 0.47u
C7206 16V 1u
C7236 16V 1u
C7237 100V 0.47u
R7245 0
R7254 0
R7229 47
R7240 0
C7222 50V 100p
C7213 50V 100p
TERM
SIDE
CA7
TO PANEL DATA DRIVER
CA6
TO PANEL DATA DRIVER
ZA7201 K4CD01000013
ZA7202 K4CD01000013
ZA7203 K4CD01000013
ZA7204 K4CD01000013
ZA7205 K4CD01000013
Vda75V
NC
GND
C22
TO C3-BOARD (C32)
R7246 EXB38V471JV
R7247 EXB38V471JV
R7212 EXB38V471JV
R7213 EXB38V471JV
R7248 EXB38V471JV
R7249 EXB38V471JV
C7216 16V 0.1u
C7208 16V 0.1u
C7218 16V 0.1u
IC7204 C0JBAZ002692 BUFFER
IC7205 C0JBAZ002692 BUFFER
IC7206 C0JBAZ002692 BUFFER
R7268 EXB38V470JV
R7269 EXB38V470JV
R7215 EXB38V470JV
R7216 EXB38V470JV
R7270 EXB38V470JV
R7271 EXB38V470JV
R7256 0
AA_DUR_C11
AA_DUR_B11
AA_DUR_A11
AA_DUR_C10
AA_DUR_B10
AA_DUR_A10
AA_ODE_R
AA_CLR_R
AB_DUR_C11
AB_DUR_B11
AB_DUR_A11
AB_DUR_C10
AB_DUR_B10
AB_DUR_A10
AB_ODE_L
AB_CLR_L
AA_DUL_C11
AA_DUL_B11
AA_DUL_A11
AA_DUL_C10
AA_DUL_B10
AA_DUL_A10
AA_PCR
AB_DUL_C11
AB_DUL_B11
AB_DUL_A11
AB_DUL_C10
AB_DUL_B10
AB_DUL_A10
AB_PCL
AA_DUC9
AA_DUB9
AA_DUA9
AA_DUC8
AA_DUB8
AA_DUA8
LEL_INT
AB_DUC9
AB_DUB9
AB_DUA9
AB_DUC8
AB_DUB8
AB_DUA8
AB_LE6_L
AB_LE7
⑪
⑫
⑬
⑭
⑮
⑯
⑰
⑱
⑲
⑳
㉑
㉒
㉓

TH-50PX60U
C2-Board (3 of 3) Schematic Diagram

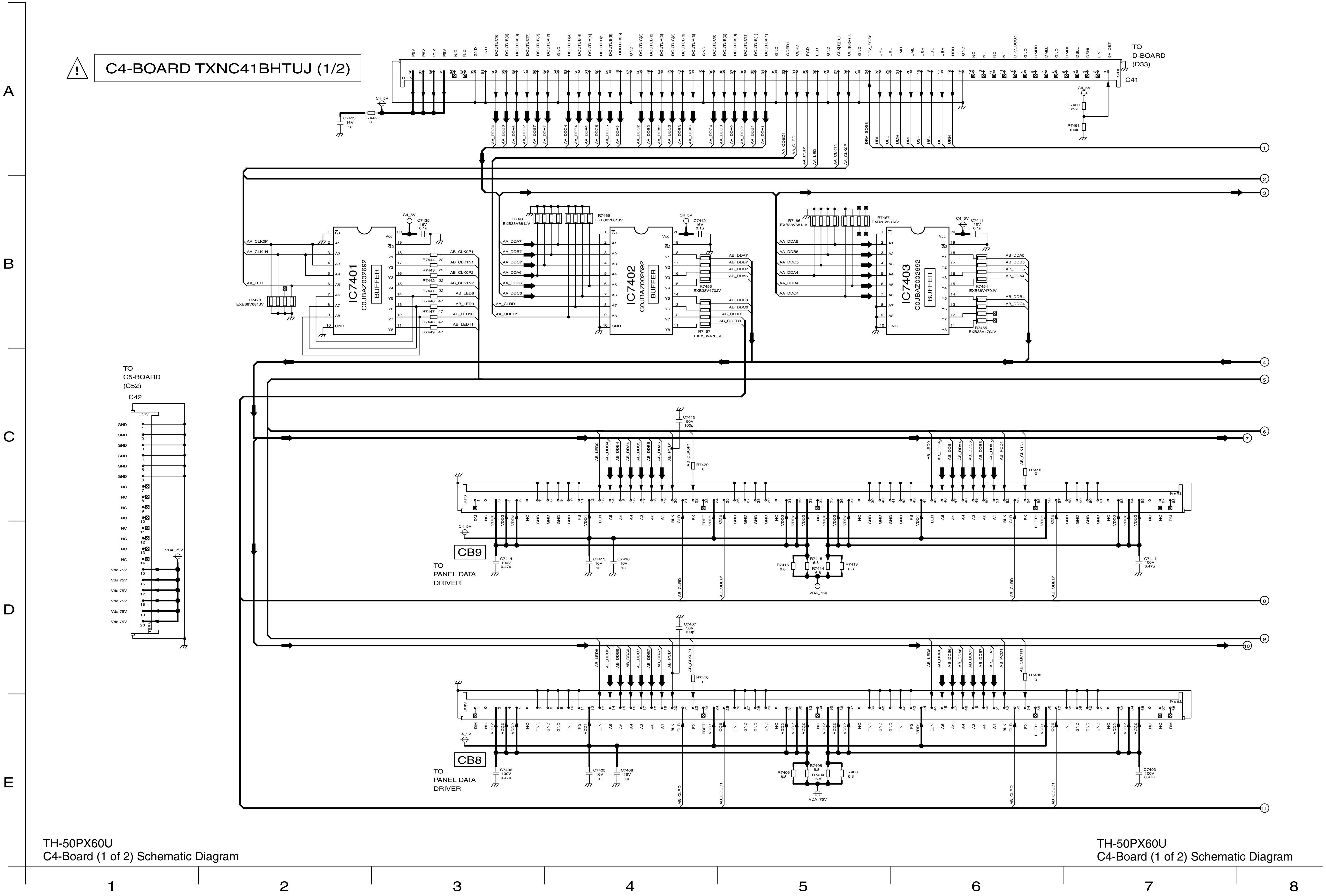
14.52. C3-Board (1 of 2) Schematic Diagram


C3-BOARD TXNC31BHTUJ (1/2)
TO PANEL DATA DRIVER
CA8
CA9
TO C2-BOARD (C22)
C32
VDA_75V
C3_5V
IC7301
C0JBAZ002692
BUFFER
IC7302
C0JBAZ002692
BUFFER
R7309 EXB38V471JV
R7362 EXB38V471JV
R7363 EXB38V471JV
R7301 EXB38V470JV
R7302 EXB38V470JV
FL7301 J0HABH000013
C31
TO D-BOARD (D32)
A
B
C
D
E
1
2
3
4
5
6
7
8

14.53. C3-Board (2 of 2) Schematic Diagram


C3-BOARD TXNC31BHTUJ (2/2)
TO PANEL DATA DRIVER
CA10
CA11
TO SS-BOARD (SS33)
C33
VDA_75V
C3_5V
C7339 100V 0.47u
R7350 6.8
R7352 6.8
R7354 6.8
R7356 6.8
C7317 16V 1u
C7341 16V 1u
C7342 100V 0.47u
R7348 0
R7358 0
C7318 50V 100p
C7319 100V 0.47u
R7349 6.8
R7351 6.8
R7353 6.8
R7355 6.8
C7316 16V 1u
C7321 16V 1u
C7322 100V 0.47u
R7347 0
R7357 0
R7359 1k
C7315 100p 50V
AB_ODEU1
AB_CLRU
AB_PCU1
AA_PCU1
IC7303
IC7304
IC7305
C0JBAZ002692
BUFFER
R7364 EXB38V471JV
R7365 EXB38V471JV
R7366 EXB38V471JV
R7367 EXB38V471JV
R7368 EXB38V471JV
R7369 EXB38V471JV
R7303 EXB38V470JV
R7304 EXB38V470JV
R7305 EXB38V470JV
R7306 EXB38V470JV
R7307 EXB38V470JV
R7308 EXB38V470JV
R7332 0
C7307 16V 0.1u
C7310 16V 0.1u
C7309 16V 0.1u
ZA7301 K4CD01000013
ZA7302 K4CD01000013
ZA7303 K4CD01000013
ZA7304 K4CD01000013
ZA7305 K4CD01000013
1
2
3
4
5
6
7
8
9
10

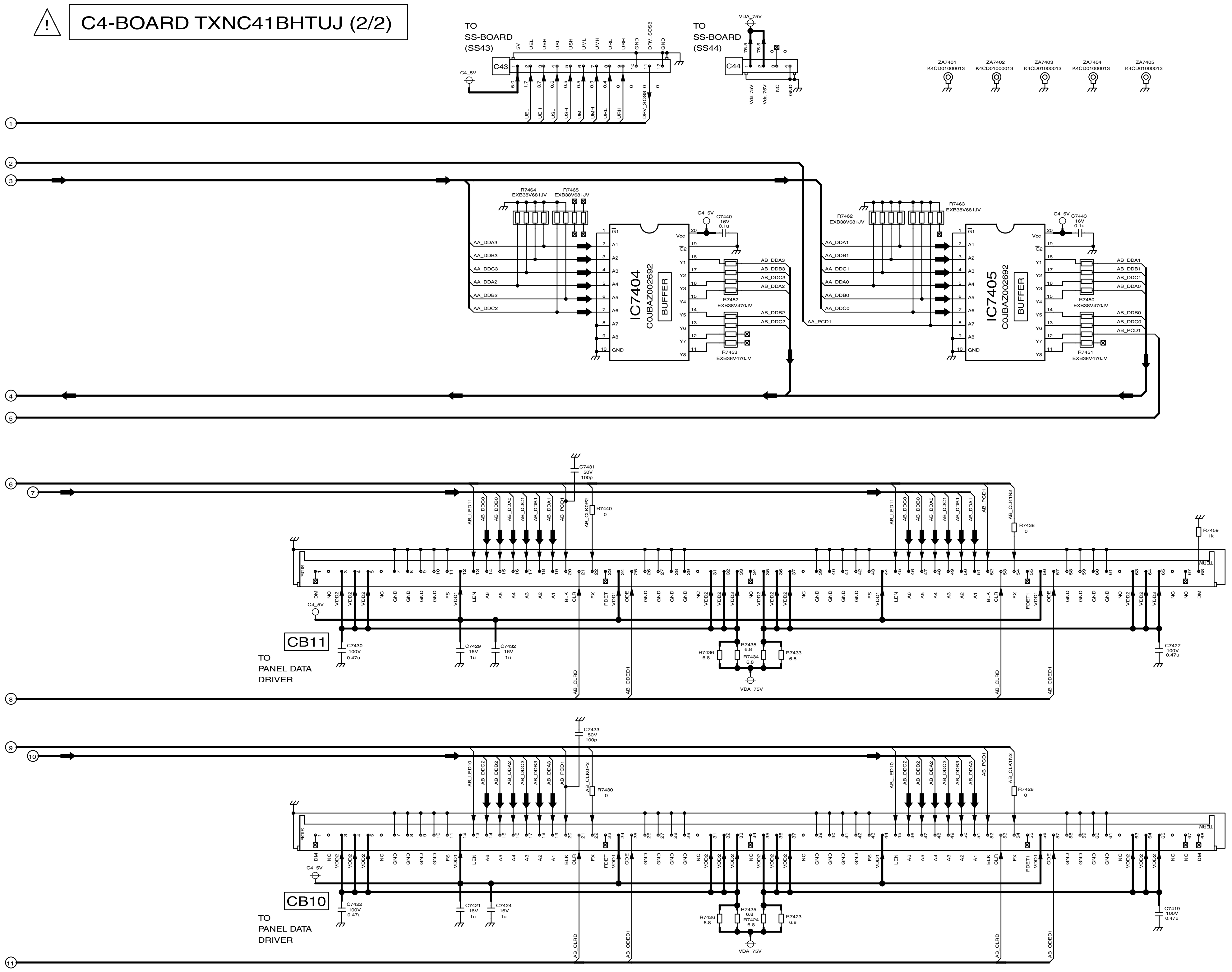
14.54. C4-Board (1 of 2) Schematic Diagram


C4-BOARD TXNC41BHTUJ (1/2)
TO
D-BOARD
(D33)
C41
TO
C5-BOARD
(C52)
C42
IC7401
C0JBAZ002692
BUFFER
IC7402
C0JBAZ002692
BUFFER
IC7403
C0JBAZ002692
BUFFER
CB9
TO
PANEL DATA
DRIVER
CB8
TO
PANEL DATA
DRIVER
R7468
EXB38V681JV
R7469
EXB38V681JV
R7466
EXB38V681JV
R7467
EXB38V681JV
R7470
EXB38V681JV
R7456
EXB38V470JV
R7457
EXB38V470JV
R7454
EXB38V470JV
R7455
EXB38V470JV
R7460
22k
R7461
100k
C7433
16V
1u
R7445
0
C7435
16V
0.1u
C7442
16V
0.1u
C7441
16V
0.1u
C7415
50V
100p
C7407
50V
100p
C7414
100V
0.47u
C7413
16V
1u
C7416
16V
1u
C7411
100V
0.47u
C7406
100V
0.47u
C7405
16V
1u
C7408
16V
1u
C7403
100V
0.47u
R7420
0
R7418
0
R7410
0
R7408
0
R7416
6.8
R7415
6.8
R7414
6.8
R7413
6.8
R7406
6.8
R7405
6.8
R7404
6.8
R7403
6.8
C4_5V
VDA_75V
AA_CLK0P
AA_CLK1N
AA_LED
AA_CLRD
AA_ODED1
AB_CLK0P1
AB_CLK1N1
AB_CLK0P2
AB_CLK1N2
AB_LED8
AB_LED9
AB_LED10
AB_LED11
AB_CLRD
AB_ODED1
A
B
C
D
E
1
2
3
4
5
6
7
8

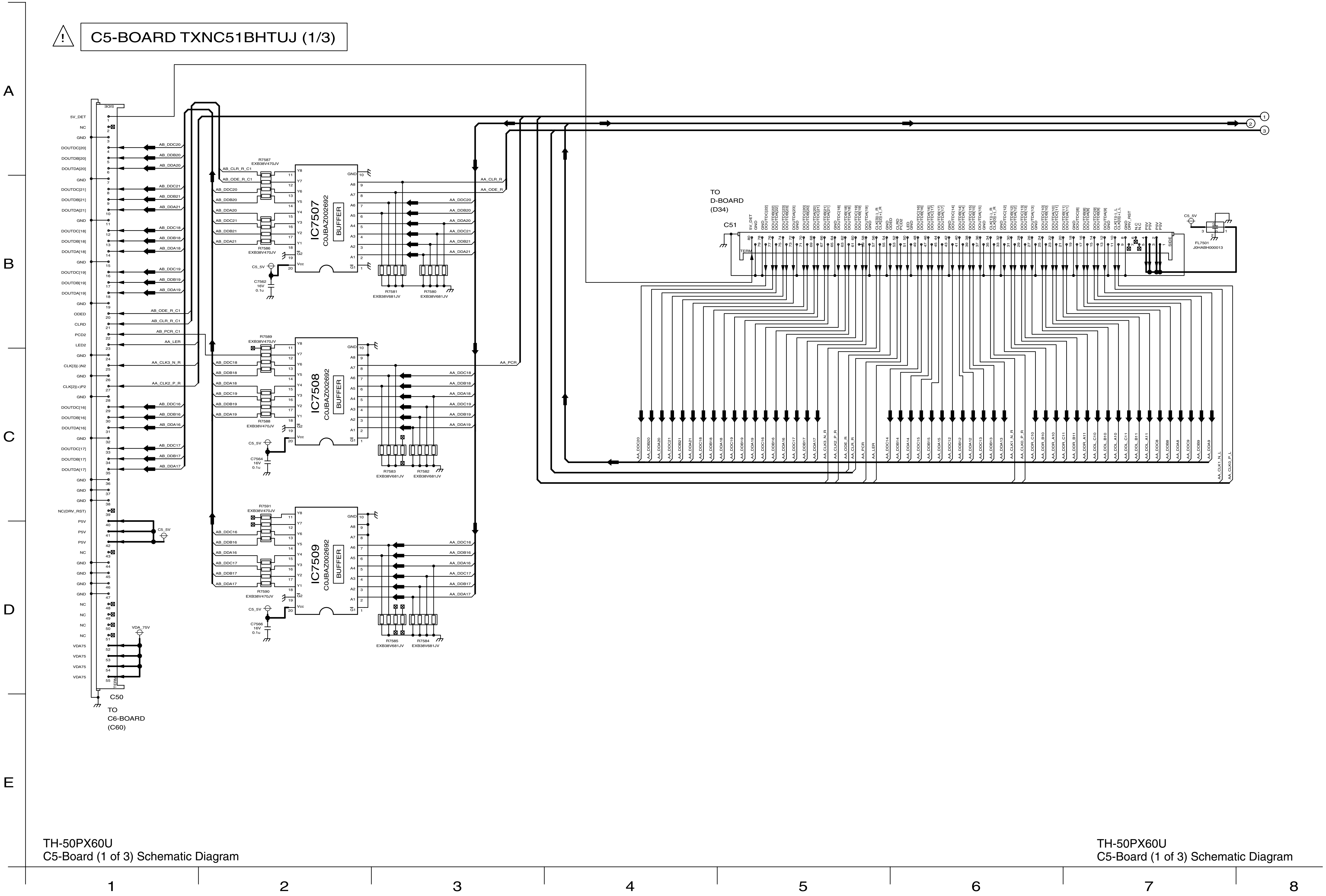
TH-50PX60U
C4-Board (1 of 2) Schematic Diagram

TH-50PX60U
C4-Board (1 of 2) Schematic Diagram

14.55. C4-Board (2 of 2) Schematic Diagram

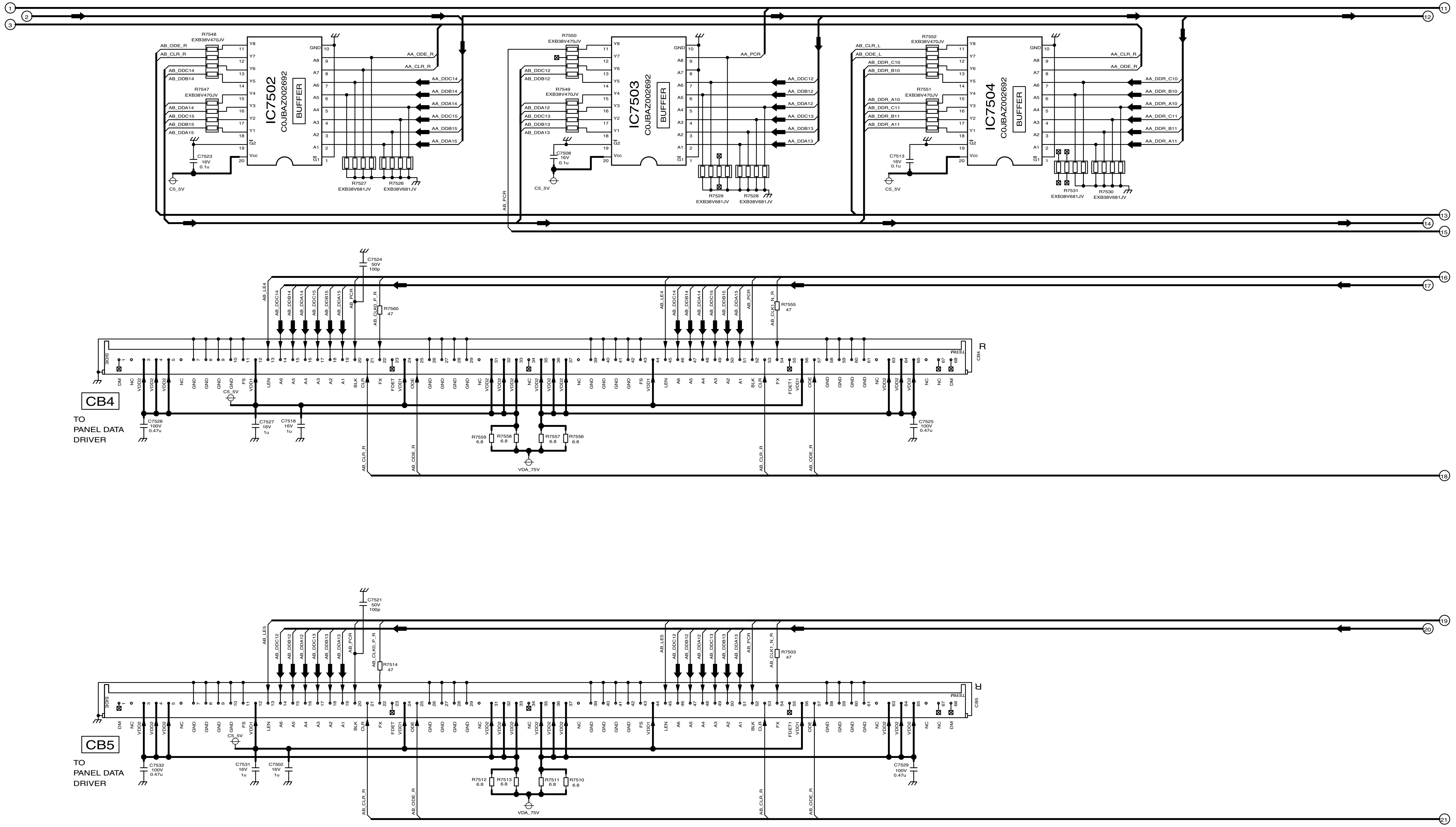

C4-BOARD TXNC41BHTUJ (2/2)
TO SS-BOARD (SS43)
C43
C4_5V
TO SS-BOARD (SS44)
C44
VDA_75V
ZA7401 K4CD01000013
ZA7402 K4CD01000013
ZA7403 K4CD01000013
ZA7404 K4CD01000013
ZA7405 K4CD01000013
R7464 EXB38V681JV
R7465 EXB38V681JV
IC7404 C0JBAZ002692 BUFFER
C7440 16V 0.1u
R7452 EXB38V470JV
R7453 EXB38V470JV
R7462 EXB38V681JV
R7463 EXB38V681JV
IC7405 C0JBAZ002692 BUFFER
C7443 16V 0.1u
R7450 EXB38V470JV
R7451 EXB38V470JV
AA_DDA3
AA_DDB3
AA_DDC3
AA_DDA2
AA_DDB2
AA_DDC2
AA_DDA1
AA_DDB1
AA_DDC1
AA_DDA0
AA_DDB0
AA_DDC0
AA_PCD1
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_PCD1
C7431 50V 100p
R7440 0
R7438 0
R7459 1k
CB11
TO PANEL DATA DRIVER
C7430 100V 0.47u
C7429 16V 1u
C7432 16V 1u
R7436 6.8
R7435 6.8
R7434 6.8
R7433 6.8
C7427 100V 0.47u
AB_CLRD
AB_OOED1
C7423 50V 100p
R7430 0
R7428 0
CB10
TO PANEL DATA DRIVER
C7422 100V 0.47u
C7421 16V 1u
C7424 16V 1u
R7426 6.8
R7425 6.8
R7424 6.8
R7423 6.8
C7419 100V 0.47u
1
2
3
4
5
6
7
8
9
10
11

14.56. C5-Board (1 of 3) Schematic Diagram

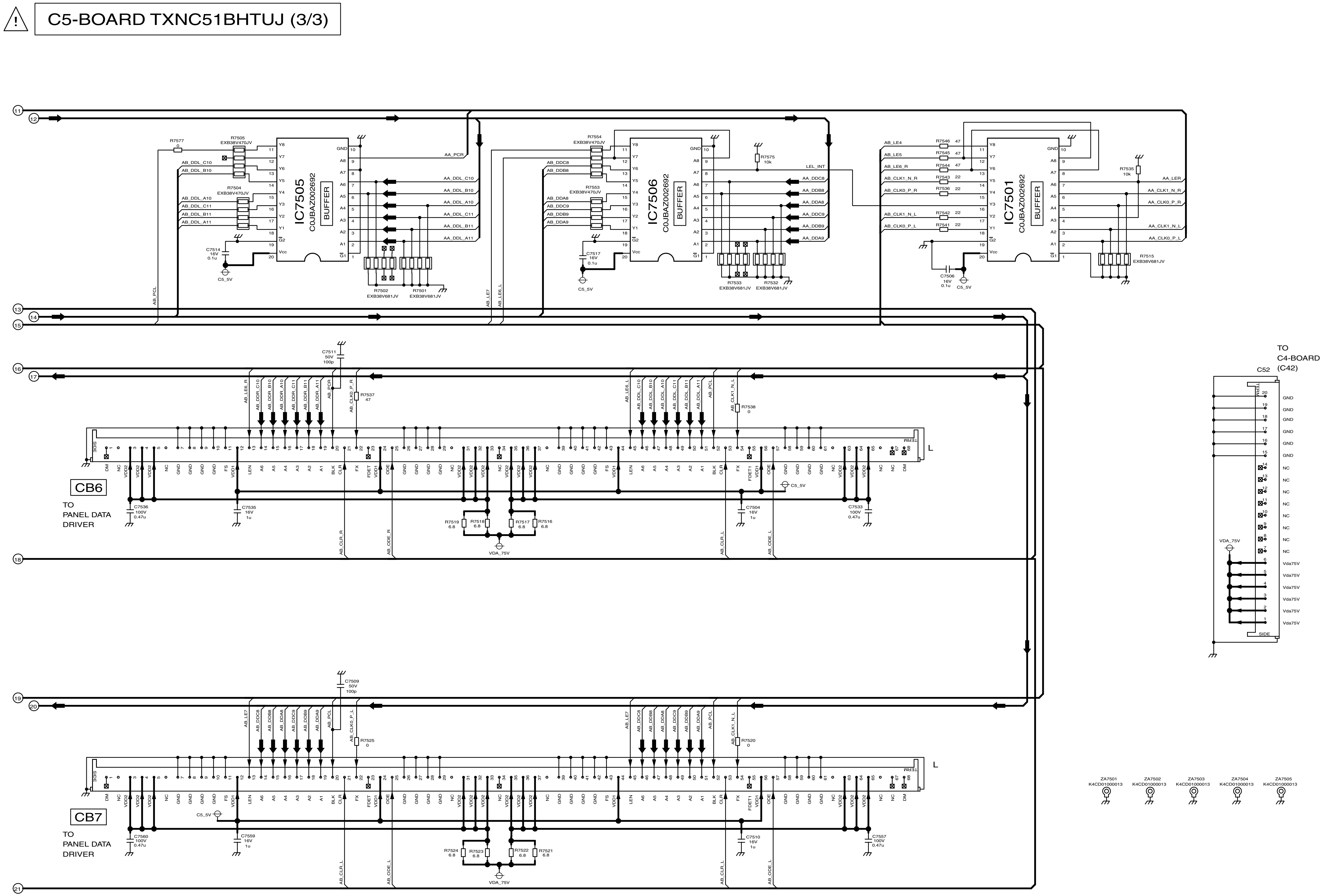

C5-BOARD TXNC51BHTUJ (1/3)
A
B
C
D
E
1
2
3
4
5
6
7
8
C50
TO
C6-BOARD
(C60)
TO
D-BOARD
(D34)
C51
IC7507
C0JBAZ002692
BUFFER
IC7508
C0JBAZ002692
BUFFER
IC7509
C0JBAZ002692
BUFFER
R7587
EXB38V470JV
R7586
EXB38V470JV
R7589
EXB38V470JV
R7588
EXB38V470JV
R7591
EXB38V470JV
R7590
EXB38V470JV
R7581
EXB38V681JV
R7580
EXB38V681JV
R7583
EXB38V681JV
R7582
EXB38V681JV
R7585
EXB38V681JV
R7584
EXB38V681JV
C7562
16V
0.1u
C7564
16V
0.1u
C7566
16V
0.1u
C5_5V
VDA_75V
FL7501
J0HABH000013
5V_DET
NC
GND
DOUTDC[20]
DOUTDB[20]
DOUTDA[20]
DOUTDC[21]
DOUTDB[21]
DOUTDA[21]
DOUTDC[18]
DOUTDB[18]
DOUTDA[18]
DOUTDC[19]
DOUTDB[19]
DOUTDA[19]
ODED
CLRD
PCD2
LED2
CLK[3](-)N2
CLK[2](+)P2
DOUTDC[16]
DOUTDB[16]
DOUTDA[16]
DOUTDC[17]
DOUTDB[17]
DOUTDA[17]
NC(DRV_RST)
P5V
VDA75
AB_DDC20
AB_DDB20
AB_DDA20
AB_DDC21
AB_DDB21
AB_DDA21
AB_DDC18
AB_DDB18
AB_DDA18
AB_DDC19
AB_DDB19
AB_DDA19
AB_ODE_R_C1
AB_CLR_R_C1
AB_PCR_C1
AA_LER
AA_CLK3_N_R
AA_CLK2_P_R
AB_DDC16
AB_DDB16
AB_DDA16
AB_DDC17
AB_DDB17
AB_DDA17
AA_CLR_R
AA_ODE_R
AA_PCR
AA_DDC20
AA_DDB20
AA_DDA20
AA_DDC21
AA_DDB21
AA_DDA21
AA_DDC18
AA_DDB18
AA_DDA18
AA_DDC19
AA_DDB19
AA_DDA19
AA_DDC16
AA_DDB16
AA_DDA16
AA_DDC17
AA_DDB17
AA_DDA17
AA_DDC14
AA_DDB14
AA_DDA14
AA_DDC15
AA_DDB15
AA_DDA15
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_CLK1_N_R
AA_CLK0_P_R
AA_DDR_C10
AA_DDR_B10
AA_DDR_A10
AA_DDR_C11
AA_DDR_B11
AA_DDR_A11
AA_DDL_C10
AA_DDL_B10
AA_DDL_A10
AA_DDL_C11
AA_DDL_B11
AA_DDL_A11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AA_CLK1_N_L
AA_CLK0_P_L
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
A8
A7
A6
A5
A4
A3
A2
A1
G1
G2
Vcc
GND
TERM
①
②
③

14.57. C5-Board (2 of 3) Schematic Diagram

⚠ C5-BOARD TXNC51BHTUJ (2/3)

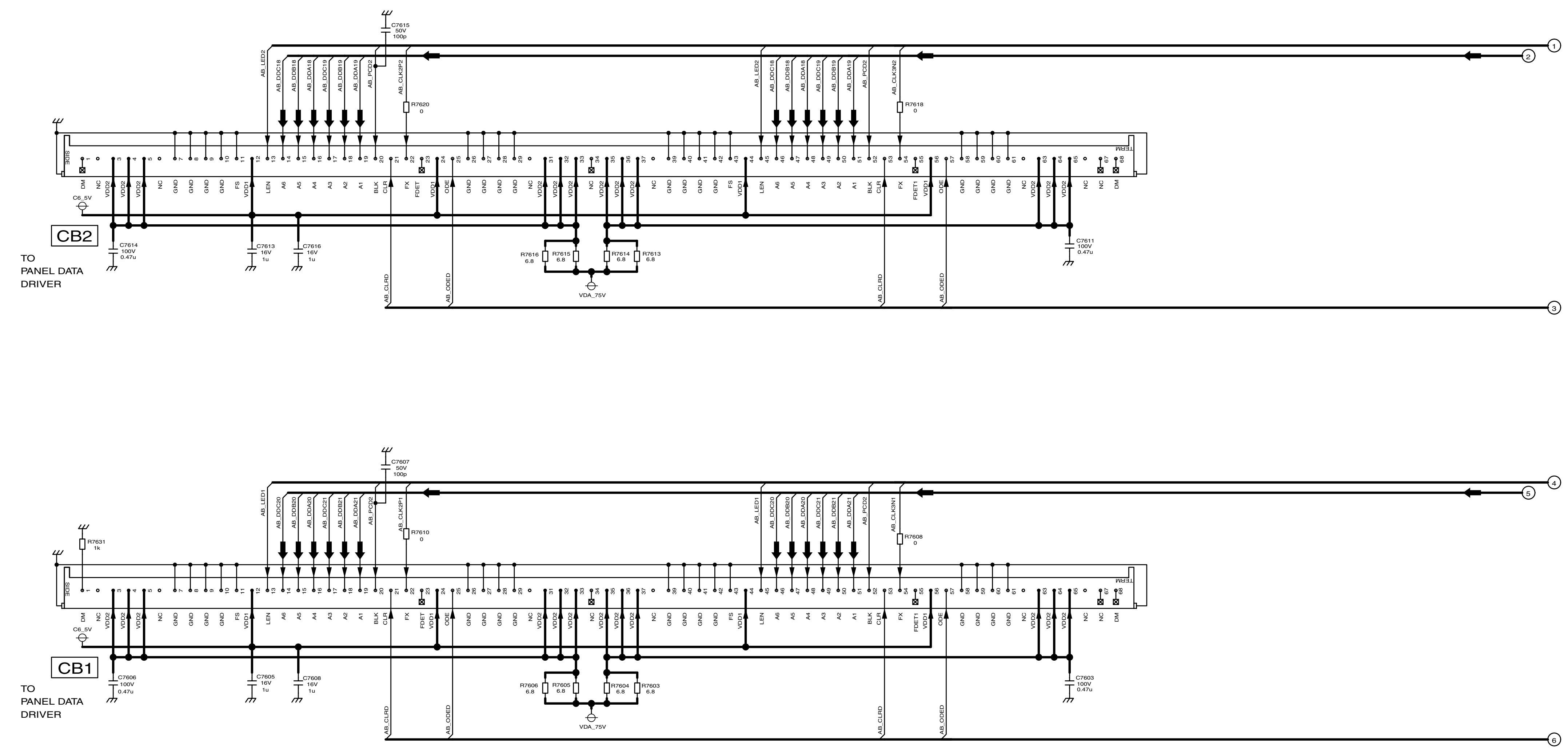

IC7502
C0JBAZ002692
BUFFER
IC7503
C0JBAZ002692
BUFFER
IC7504
C0JBAZ002692
BUFFER
R7548
EXB38V470JV
R7547
EXB38V470JV
R7550
EXB38V470JV
R7549
EXB38V470JV
R7552
EXB38V470JV
R7551
EXB38V470JV
R7527
EXB38V681JV
R7526
EXB38V681JV
R7529
EXB38V681JV
R7528
EXB38V681JV
R7531
EXB38V681JV
R7530
EXB38V681JV
C7523
16V
0.1u
C7508
16V
0.1u
C7513
16V
0.1u
C5_5V
AB_ODE_R
AB_CLR_R
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AA_ODE_R
AA_CLR_R
AA_DDC14
AA_DDB14
AA_DDA14
AA_DDC15
AA_DDB15
AA_DDA15
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
AA_PCR
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AB_PCR
AB_CLR_L
AB_ODE_L
AB_DDR_C10
AB_DDR_B10
AB_DDR_A10
AB_DDR_C11
AB_DDR_B11
AB_DDR_A11
AA_CLR_R
AA_ODE_R
AA_DDR_C10
AA_DDR_B10
AA_DDR_A10
AA_DDR_C11
AA_DDR_B11
AA_DDR_A11
C7524
50V
100p
R7560
47
R7555
47
AB_LE4
AB_CLK0_P_R
AB_CLK0_N_R
CB4
TO
PANEL DATA
DRIVER
C7528
100V
0.47u
C7527
16V
1u
C7518
16V
1u
C7525
100V
0.47u
R7559
6.8
R7558
6.8
R7557
6.8
R7556
6.8
VDA_75V
AB_CLR_R
AB_ODE_R
C7521
50V
100p
R7514
47
R7503
47
AB_LE5
CB5
TO
PANEL DATA
DRIVER
C7532
100V
0.47u
C7531
16V
1u
C7502
16V
1u
C7529
100V
0.47u
R7512
6.8
R7513
6.8
R7511
6.8
R7510
6.8
VDA_75V
1
2
3
11
12
13
14
15
16
17
18
19
20
21

14.58. C5-Board (3 of 3) Schematic Diagram


C5-BOARD TXNC51BHTUJ (3/3)
IC7505
C0JBAZ002692
BUFFER
IC7506
C0JBAZ002692
BUFFER
IC7501
C0JBAZ002692
BUFFER
R7577
R7505 EXB38V470JV
R7504 EXB38V470JV
R7554 EXB38V470JV
R7553 EXB38V470JV
R7502 EXB38V681JV
R7501 EXB38V681JV
R7533 EXB38V681JV
R7532 EXB38V681JV
R7515 EXB38V681JV
R7575 10k
R7535 10k
R7546 47
R7545 47
R7544 47
R7543 22
R7536 22
R7542 22
R7541 22
C7514 16V 0.1u
C7517 16V 0.1u
C7506 16V 0.1u
C5_5V
AB_DDL_C10
AB_DDL_B10
AB_DDL_A10
AB_DDL_C11
AB_DDL_B11
AB_DDL_A11
AA_PCR
AA_DDL_C10
AA_DDL_B10
AA_DDL_A10
AA_DDL_C11
AA_DDL_B11
AA_DDL_A11
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
LEL_INT
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AB_LE4
AB_LE5
AB_LE6_R
AB_CLK1_N_R
AB_CLK0_P_R
AB_CLK1_N_L
AB_CLK0_P_L
AA_LER
AA_CLK1_N_R
AA_CLK0_P_R
AA_CLK1_N_L
AA_CLK0_P_L
AB_PCL
AB_LE7
AB_LE6_L
11
12
13
14
15
16
17
18
19
20
21
C7511 50V 100p
R7537 47
R7538 0
C7509 50V 100p
R7525 0
R7520 0
CB6
TO PANEL DATA DRIVER
CB7
TO PANEL DATA DRIVER
C7536 100V 0.47u
C7535 16V 1u
C7504 16V 1u
C7533 100V 0.47u
R7519 6.8
R7518 6.8
R7517 6.8
R7516 6.8
VDA_75V
C7560 100V 0.47u
C7559 16V 1u
C7510 16V 1u
C7557 100V 0.47u
R7524 6.8
R7523 6.8
R7522 6.8
R7521 6.8
AB_CLR_R
AB_ODE_R
AB_CLR_L
AB_ODE_L
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
TERM
L
TO C4-BOARD (C42)
C52
GND
NC
Vda75V
SIDE
ZA7501 K4CD01000013
ZA7502 K4CD01000013
ZA7503 K4CD01000013
ZA7504 K4CD01000013
ZA7505 K4CD01000013

14.59. C6-Board (1 of 2) Schematic Diagram

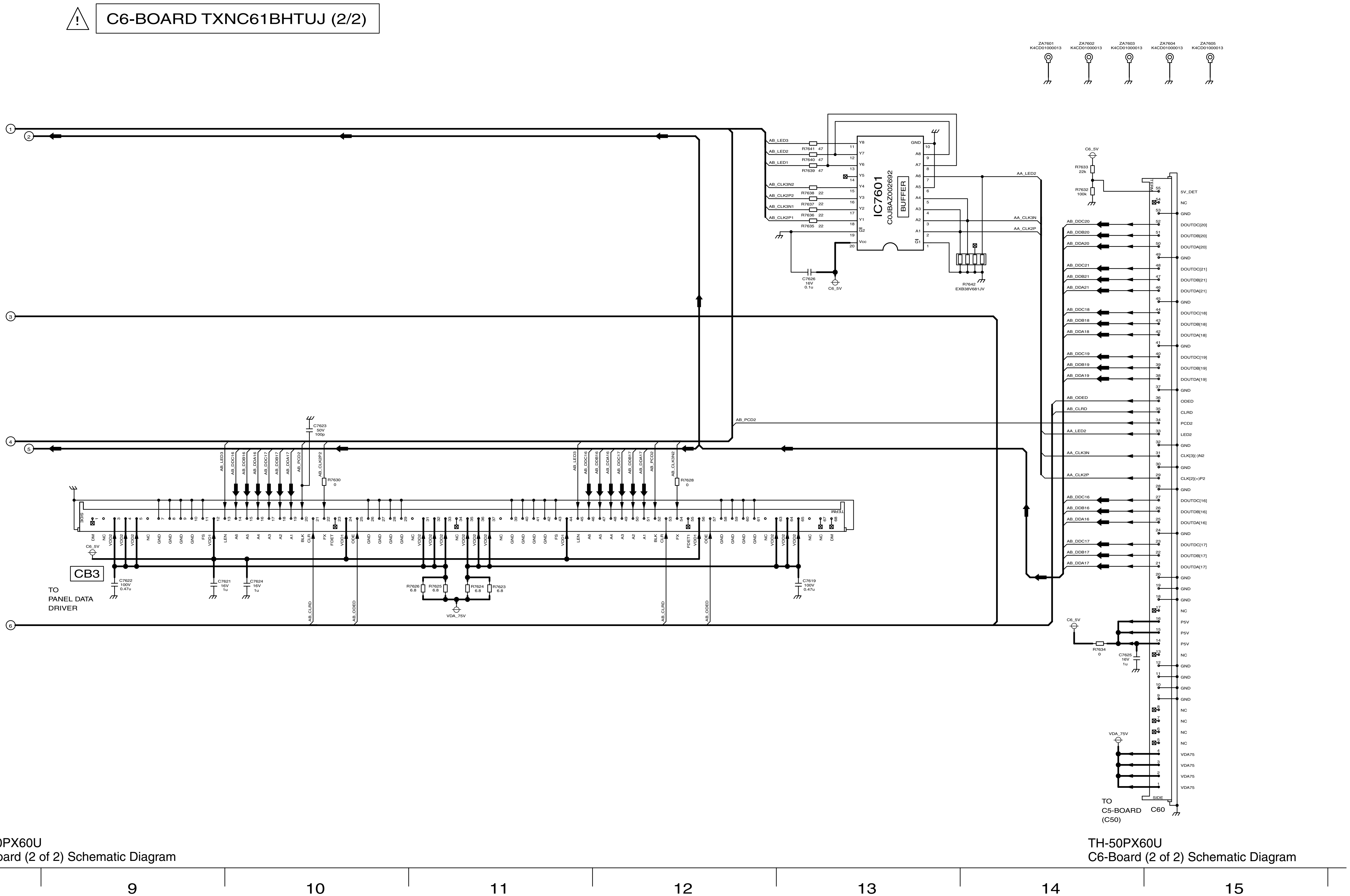
C6-BOARD TXNC61BHTUJ (1/2)


C7615
50V
100p
AB_LED2
AB_CLK2P2
R7620
0
AB_CLK2N2
R7618
0
CB2
TO
PANEL DATA
DRIVER
C6_5V
C7614
100V
0.47u
C7613
16V
1u
C7616
16V
1u
R7616
6.8
R7615
6.8
R7614
6.8
R7613
6.8
VDA_75V
C7611
100V
0.47u
AB_CLRD
AB_OOED
C7607
50V
100p
AB_LED1
AB_CLK2P1
R7610
0
AB_CLK3N1
R7608
0
R7631
1k
CB1
TO
PANEL DATA
DRIVER
C6_5V
C7606
100V
0.47u
C7605
16V
1u
C7608
16V
1u
R7606
6.8
R7605
6.8
R7604
6.8
R7603
6.8
VDA_75V
C7603
100V
0.47u
AB_CLRD
AB_OOED
①
②
③
④
⑤
⑥

TH-50PX60U
C6-Board (1 of 2) Schematic Diagram

TH-50PX60U
C6-Board (1 of 2) Schematic Diagram

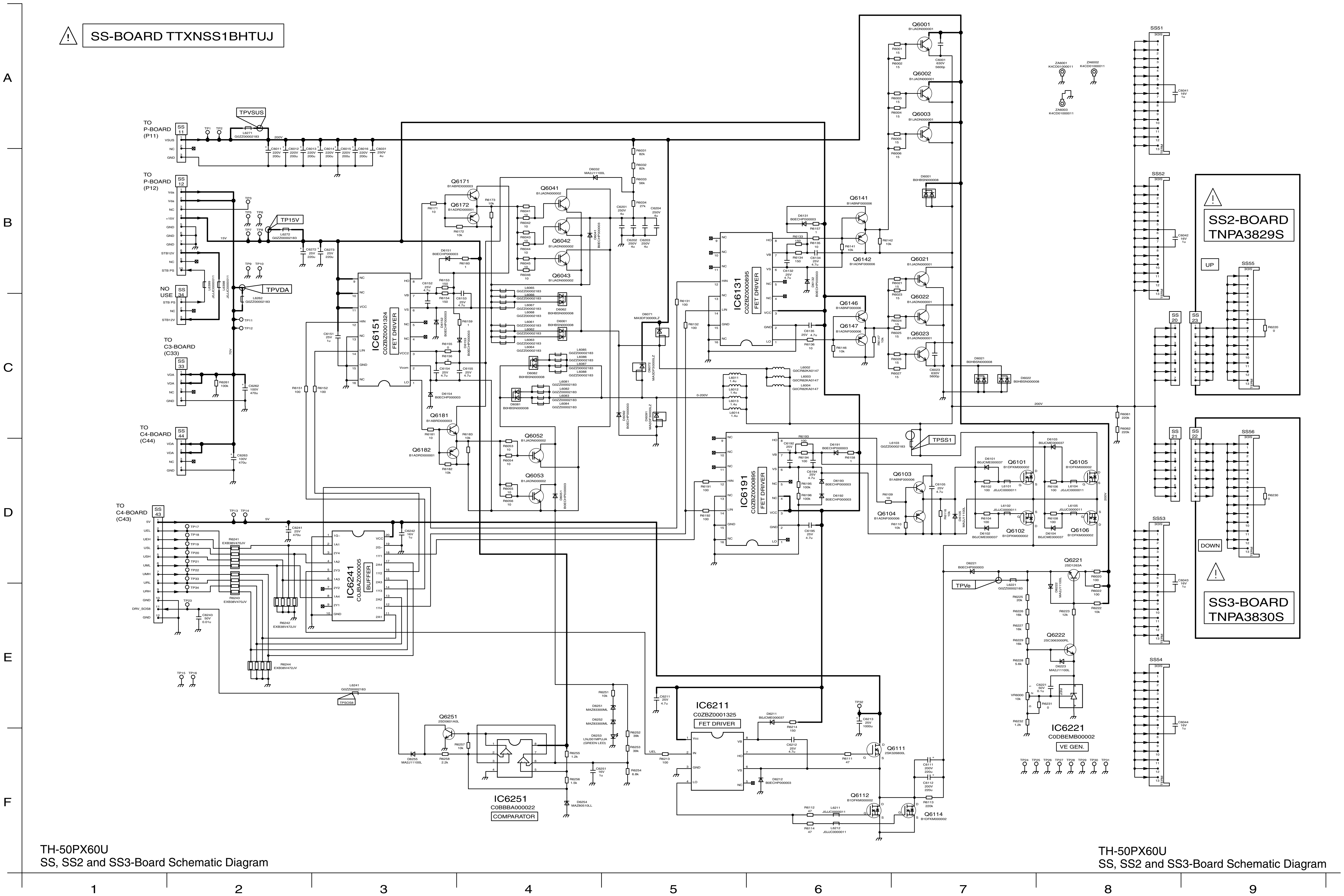
14.60. C6-Board (2 of 2) Schematic Diagram


C6-BOARD TXNC61BHTUJ (2/2)
ZA7601 K4CD01000013
ZA7602 K4CD01000013
ZA7603 K4CD01000013
ZA7604 K4CD01000013
ZA7605 K4CD01000013
IC7601
C0JBAZ002692
BUFFER
AB_LED3
AB_LED2
AB_LED1
AB_CLK3N2
AB_CLK2P2
AB_CLK3N1
AB_CLK2P1
R7641 47
R7640 47
R7639 47
R7638 22
R7637 22
R7636 22
R7635 22
C7626 16V 0.1u
C6_5V
R7642 EXB38V681JV
AA_LED2
AA_CLK3N
AA_CLK2P
R7633 22k
R7632 100k
AB_DDC20
AB_DDB20
AB_DDA20
AB_DDC21
AB_DDB21
AB_DDA21
AB_DDC18
AB_DDB18
AB_DDA18
AB_DDC19
AB_DDB19
AB_DDA19
AB_ODED
AB_CLRD
AB_PCD2
AB_DDC16
AB_DDB16
AB_DDA16
AB_DDC17
AB_DDB17
AB_DDA17
5V_DET
NC
GND
DOUTDC[20]
DOUTDB[20]
DOUTDA[20]
DOUTDC[21]
DOUTDB[21]
DOUTDA[21]
DOUTDC[18]
DOUTDB[18]
DOUTDA[18]
DOUTDC[19]
DOUTDB[19]
DOUTDA[19]
ODED
CLRD
PCD2
LED2
CLK[3]-)N2
CLK[2]+)P2
DOUTDC[16]
DOUTDB[16]
DOUTDA[16]
DOUTDC[17]
DOUTDB[17]
DOUTDA[17]
P5V
VDA75
R7634 0
C7625 16V 1u
VDA_75V
TO C5-BOARD (C50)
C60
SIDE
C7623 50V 100p
R7630 0
R7628 0
AB_CLK2P2
AB_CLK3N2
CB3
TO PANEL DATA DRIVER
C7622 100V 0.47u
C7621 16V 1u
C7624 16V 1u
C7619 100V 0.47u
R7626 6.8
R7625 6.8
R7624 6.8
R7623 6.8
DM
NC
VDD2
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
VDD1
ODE
FS
1
2
3
4
5
6
8
9
10
11
12
13
14
15

TH-50PX60U
C6-Board (2 of 2) Schematic Diagram

TH-50PX60U
C6-Board (2 of 2) Schematic Diagram

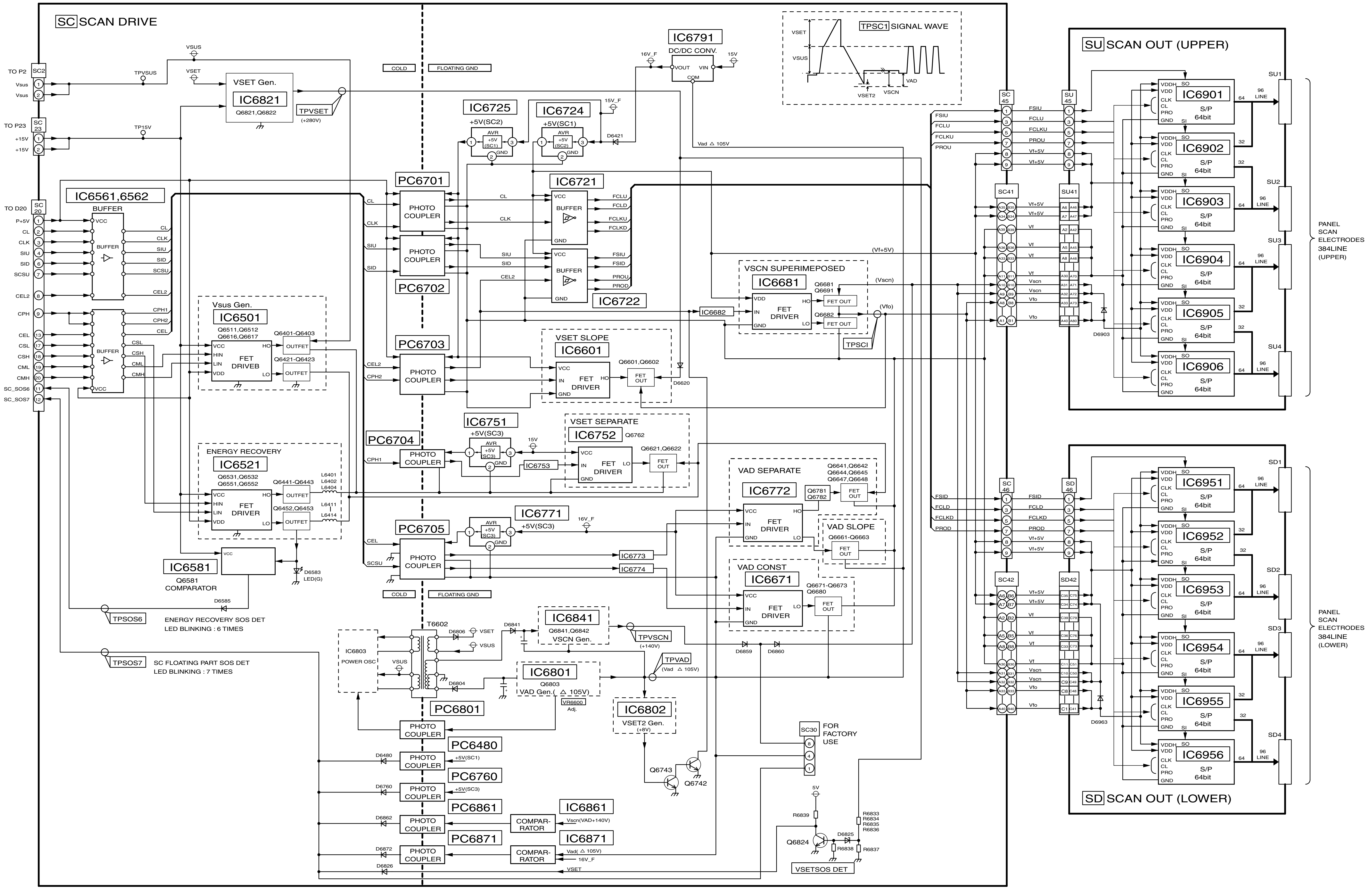
14.61. SS, SS2 and SS3-Board Schematic Diagram


SS-BOARD TTXNSS1BHTUJ
SS2-BOARD TNPA3829S
SS3-BOARD TNPA3830S
TO P-BOARD (P11)
TO P-BOARD (P12)
NO USE
TO C3-BOARD (C33)
TO C4-BOARD (C44)
TO C4-BOARD (C43)
TPVSUS
TP15V
TPVDA
TPSS1
TPVe
TPSOS6
IC6151
C0ZBZ0001324
FET DRIVER
IC6131
C0ZBZ0000895
FET DRIVER
IC6191
C0ZBZ0000895
FET DRIVER
IC6241
C0JBAZ000005
BUFFER
IC6211
C0ZBZ0001325
FET DRIVER
IC6251
C0BBBA000022
COMPARATOR
IC6221
C0DBEMB00002
VE GEN.
Q6001
Q6002
Q6003
Q6021
Q6022
Q6023
Q6041
Q6042
Q6043
Q6052
Q6053
Q6101
Q6102
Q6103
Q6104
Q6105
Q6106
Q6111
Q6112
Q6114
Q6141
Q6142
Q6146
Q6147
Q6171
Q6172
Q6181
Q6182
Q6221
Q6222
Q6251
SS51
SS52
SS53
SS54
SS55
SS56
UP
DOWN
200V
-200V
15V
5V
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-50PX60U
SS, SS2 and SS3-Board Schematic Diagram

TH-50PX60U
SS, SS2 and SS3-Board Schematic Diagram

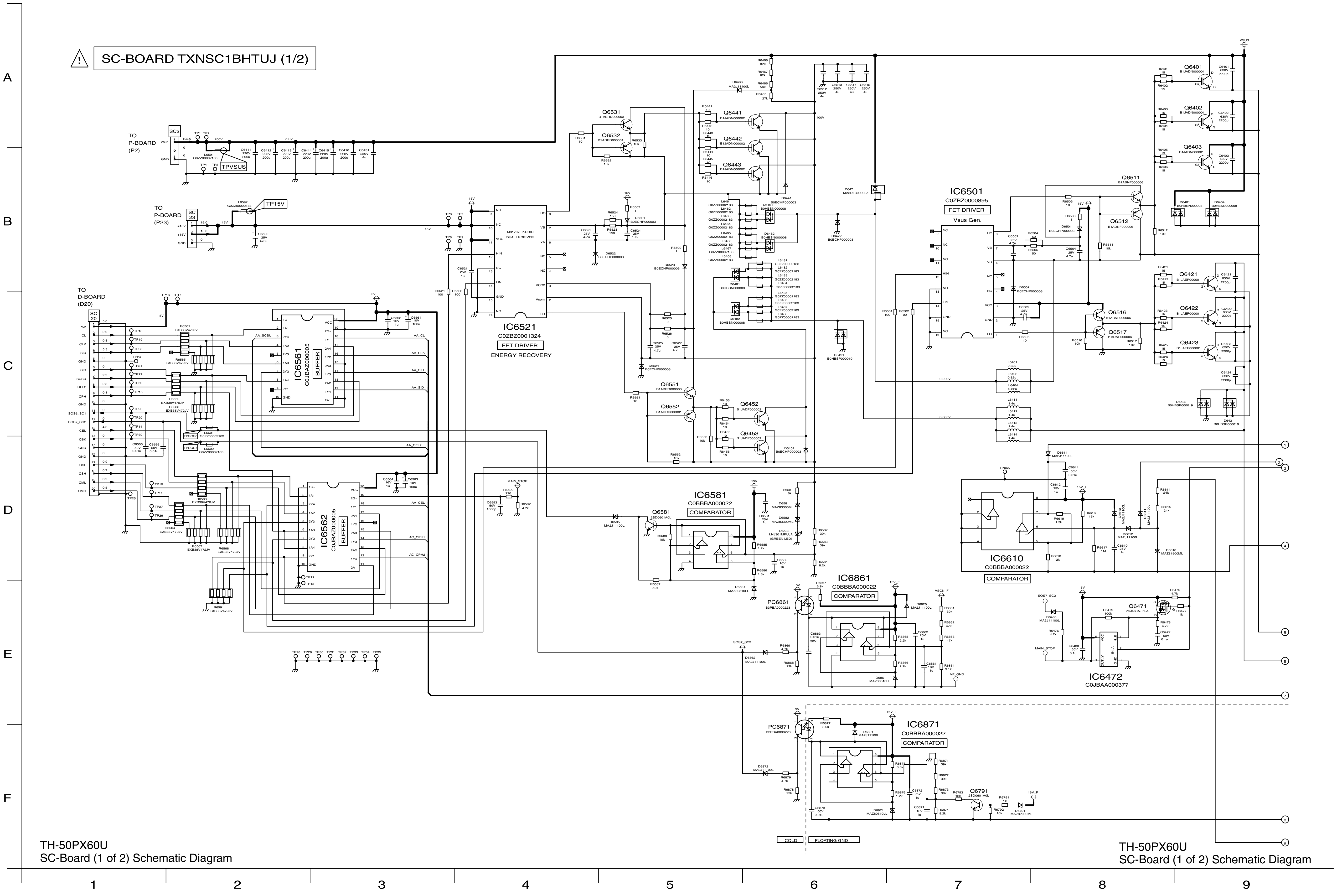
14.62. SC, SU and SD-Board Block Diagram


SC SCAN DRIVE
TO P2
SC2
Vsus
Vsus
TO P23
SC23
+15V
+15V
TO D20
SC20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
VSUS
TPVSUS
VSET
TP15V
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+280V)
COLD
FLOATING GND
IC6561,6562
BUFFER
VCC
CPH1
CPH2
CEL
Vsus Gen.
IC6501
Q6511,Q6512
Q6616,Q6617
Q6401-Q6403
Q6421-Q6423
FET DRIVEB
HIN
LIN
VDD
HO
LO
OUTFET
ENERGY RECOVERY
IC6521
Q6531,Q6532
Q6551,Q6552
Q6441-Q6443
Q6452,Q6453
L6401
L6402
L6404
L6411
L6414
FET DRIVER
IC6581
Q6581
COMPARATOR
D6583
LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
PC6701
PHOTO COUPLER
PC6702
PC6703
PC6704
PC6705
IC6725
+5V(SC2)
AVR
+5V (SC1)
GND
IC6724
+5V(SC1)
+5V (SC2)
15V_F
D6421
IC6791
DC/DC CONV.
16V_F
15V
VOUT
VIN
COM
Vad △ 105V
IC6721
BUFFER
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
IC6722
VSET SLOPE
IC6601
Q6601,Q6602
FET DRIVER
FET OUT
D6620
IC6751
+5V(SC3)
+5V (SC3)
15V
IC6753
VSET SEPARATE
IC6752
Q6762
Q6621,Q6622
VSCN SUPERIMPOSED
IC6681
Q6681
Q6691
Q6682
IC6682
TPSCI
(Vf+5V)
(Vscn)
(Vfo)
TPSC1 SIGNAL WAVE
VSET
VSUS
VSET2
VSCN
VAD
VAD SEPARATE
Q6641,Q6642
Q6644,Q6645
Q6647,Q6648
IC6772
Q6781
Q6782
VAD SLOPE
Q6661-Q6663
IC6771
+5V(SC3)
16V_F
IC6773
IC6774
VAD CONST
IC6671
Q6671-Q6673
Q6680
T6602
IC6803
POWER OSC
D6806
D6841
D6804
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+140V)
D6859
D6860
TPVAD
(Vad △ 105V)
IC6801
Q6803
VAD Gen.(△ 105V)
VR6600
Adj.
IC6802
VSET2 Gen.
(+8V)
PC6801
PC6480
D6480
+5V(SC1)
PC6760
D6760
+5V(SC3)
PC6861
D6862
IC6861
COMPAR-RATOR
Vscn(VAD+140V)
PC6871
D6872
IC6871
Vad(△ 105V)
16V_F
D6826
VSET
Q6743
Q6742
SC30
FOR FACTORY USE
5V
R6839
R6833
R6834
R6835
R6836
D6825
Q6824
R6838
R6837
VSETSOS DET
SC45
SU45
FSIU
FCLU
FCLKU
PROU
Vf+5V
SC41
SU41
Vf
Vscn
Vfo
D6903
SU SCAN OUT (UPPER)
SU1
SU2
SU3
SU4
IC6901
IC6902
IC6903
IC6904
IC6905
IC6906
VDDH
VDD
CLK
CL
PRO
GND
SO
SI
S/P
64bit
64
32
96 LINE
PANEL SCAN ELECTRODES 384LINE (UPPER)
SC46
SD46
FSID
FCLD
FCLKD
PROD
SC42
SD42
D6963
SD SCAN OUT (LOWER)
SD1
SD2
SD3
SD4
IC6951
IC6952
IC6953
IC6954
IC6955
IC6956
PANEL SCAN ELECTRODES 384LINE (LOWER)

TH-50PX60U
SC, SU and SD-Board Block Diagram

TH-50PX60U
SC, SU and SD-Board Block Diagram

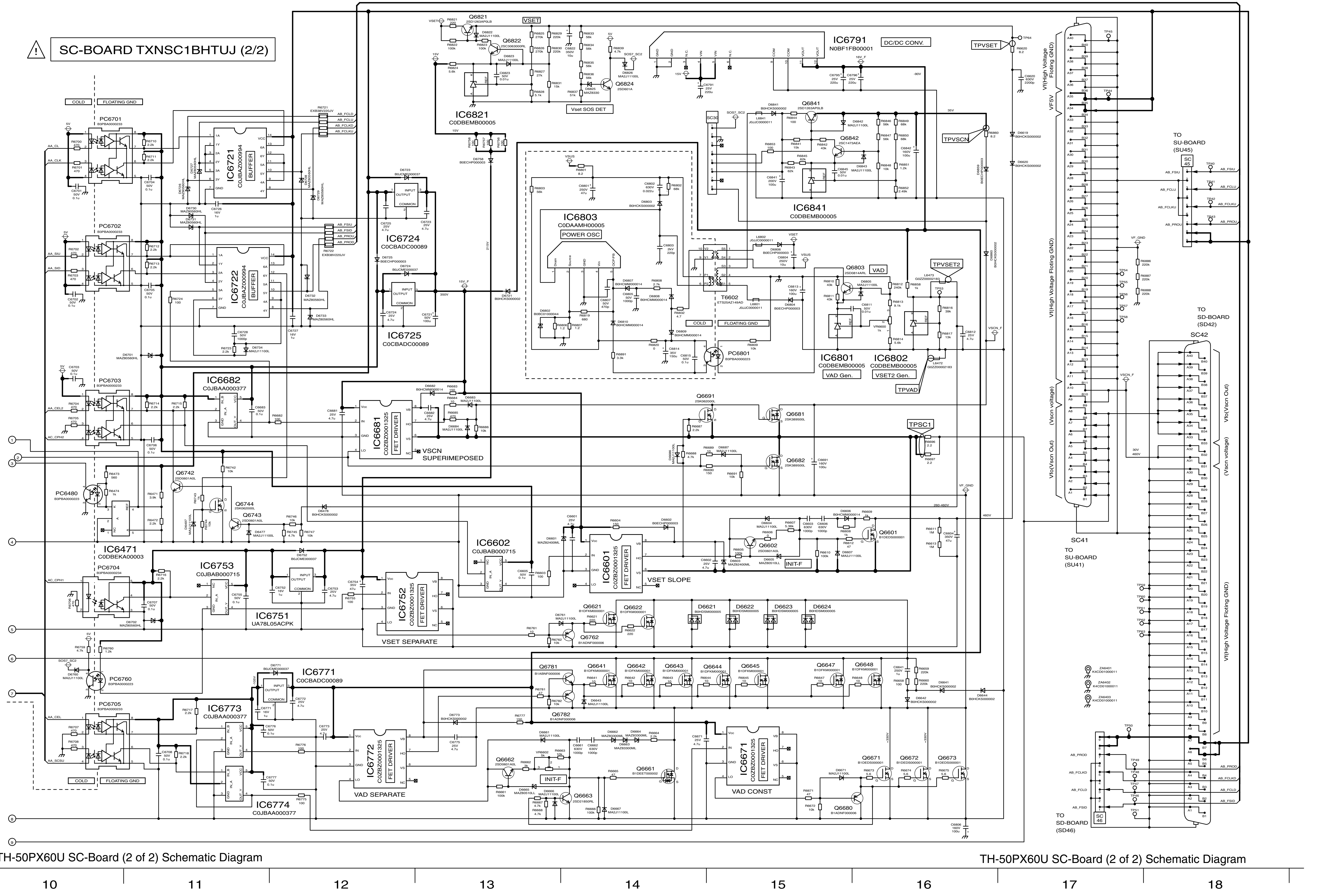
14.63. SC-Board (1 of 2) Schematic Diagram


SC-BOARD TXNSC1BHTUJ (1/2)
TO P-BOARD (P2)
SC2
TPVSUS
TO P-BOARD (P23)
SC23
TP15V
TO D-BOARD (D20)
SC20
IC6561
C0JBAZ000005
BUFFER
IC6562
C0JBAZ000005
BUFFER
IC6521
C0ZBZ0001324
FET DRIVER
ENERGY RECOVERY
M81707FP-DB0J
DUAL H. DRIVER
Q6531
Q6532
Q6441
Q6442
Q6443
Q6551
Q6552
Q6452
Q6453
IC6501
C0ZBZ0000895
FET DRIVER
Vsus Gen.
Q6511
Q6512
Q6516
Q6517
Q6401
Q6402
Q6403
Q6421
Q6422
Q6423
VSUS
IC6581
C0BBBA000022
COMPARATOR
Q6581
D6583
LNJ301MPUJA
(GREEN LED)
IC6610
C0BBBA000022
COMPARATOR
IC6861
C0BBBA000022
COMPARATOR
PC6861
B3PBA0000223
Q6471
2SJ463A-T1-A
IC6472
C0JBAA000377
IC6871
C0BBBA000022
COMPARATOR
PC6871
B3PBA0000223
Q6791
2SD0601A0L
COLD
FLOATING GND
MAIN_STOP
SOS7_SC2
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-50PX60U
SC-Board (1 of 2) Schematic Diagram

TH-50PX60U
SC-Board (1 of 2) Schematic Diagram

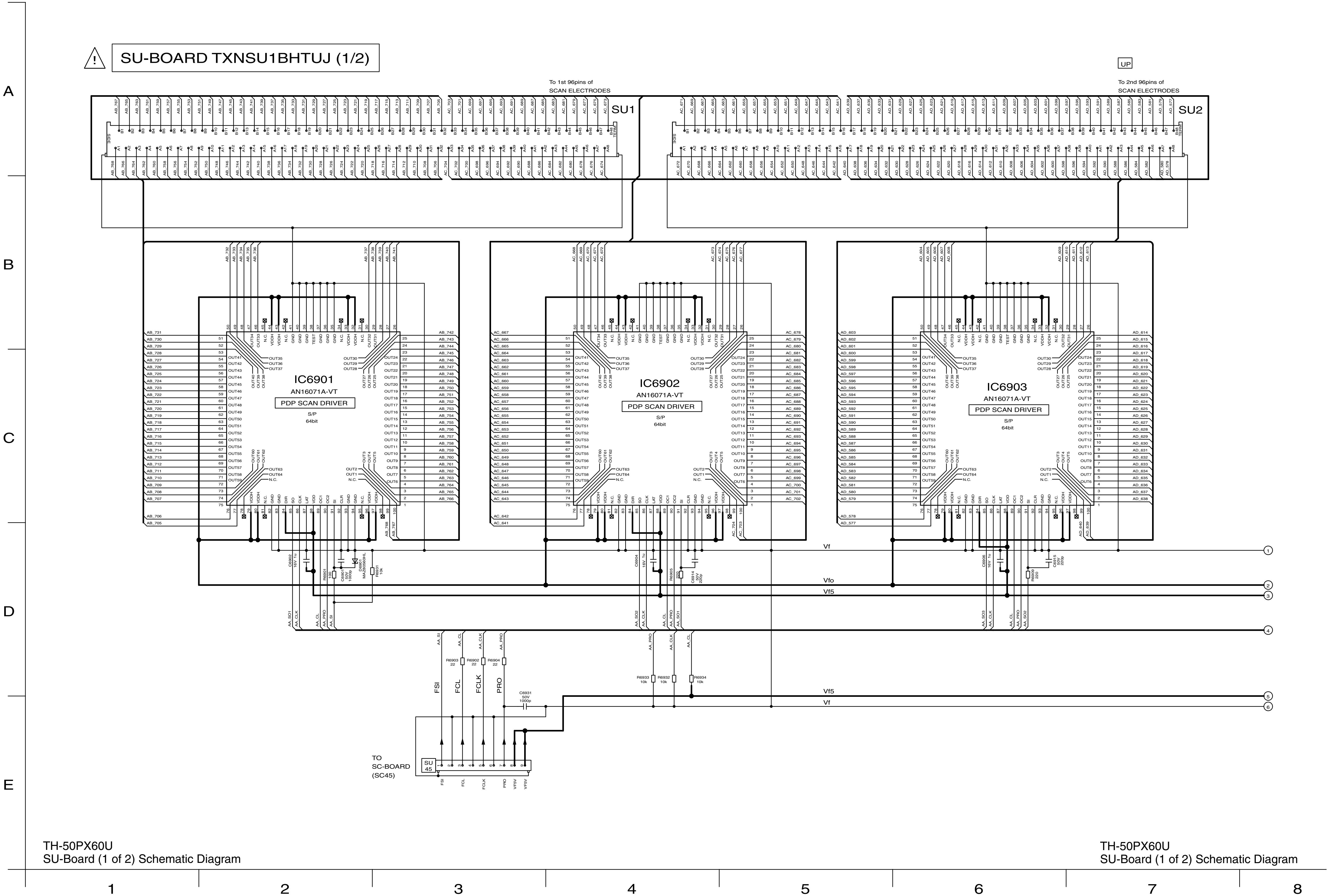
14.64. SC-Board (2 of 2) Schematic Diagram


SC-BOARD TXNSC1BHTUJ (2/2)
COLD
FLOATING GND
PC6701
PC6702
PC6703
PC6704
PC6705
PC6480
PC6760
IC6721
C0JBAZ000994
BUFFER
IC6722
C0JBAZ000994
BUFFER
IC6724
C0CBADC00089
IC6725
C0CBADC00089
IC6682
C0JBAA000377
IC6681
C0ZBZ0001325
FET DRIVER
VSCN
SUPERIMPOSED
IC6471
C0DBEKA00003
IC6753
C0JBAB000715
IC6751
UA78L05ACPK
IC6752
C0ZBZ0001325
FET DRIVER
VSET SEPARATE
IC6602
C0JBAB000715
IC6601
C0ZBZ0001325
FET DRIVER
VSET SLOPE
IC6771
C0CBADC00089
IC6773
C0JBAA000377
IC6774
C0JBAA000377
IC6772
C0ZBZ0001325
FET DRIVER
VAD SEPARATE
IC6671
C0ZBZ0001325
FET DRIVER
VAD CONST
IC6821
C0DBEMB00005
Q6821
Q6822
Q6824
VSET
Vset SOS DET
IC6791
N0BF1FB00001
DC/DC CONV.
TPVSET
IC6841
C0DBEMB00005
Q6841
Q6842
SC30
TPVSCN
IC6803
C0DAAMH00005
POWER OSC
T6602
ETS25AZ146AD
COLD
FLOATING GND
PC6801
Q6803
VAD
TPVSET2
IC6801
C0DBEMB00005
VAD Gen.
IC6802
C0DBEMB00005
VSET2 Gen.
TPVAD
TPSC1
Q6691
Q6681
Q6682
Q6601
Q6602
INIT-F
Q6621
Q6622
D6621
D6622
D6623
D6624
Q6762
Q6781
Q6641
Q6642
Q6643
Q6644
Q6645
Q6647
Q6648
Q6782
Q6661
Q6662
Q6663
INIT-F
Q6671
Q6672
Q6673
Q6680
Q6742
Q6743
Q6744
TO SU-BOARD (SU45)
SC45
TO SD-BOARD (SD42)
SC42
SC41
TO SU-BOARD (SU41)
TO SD-BOARD (SD46)
SC46
VF5V
Vf(High Voltage Floting GND)
Vf(High Voltage Floting GND)
(Vscn voltage)
Vfc(Vscn Out)
Vfc(Vscn Out)
(Vscn voltage)
Vf(High Voltage Floting GND)
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

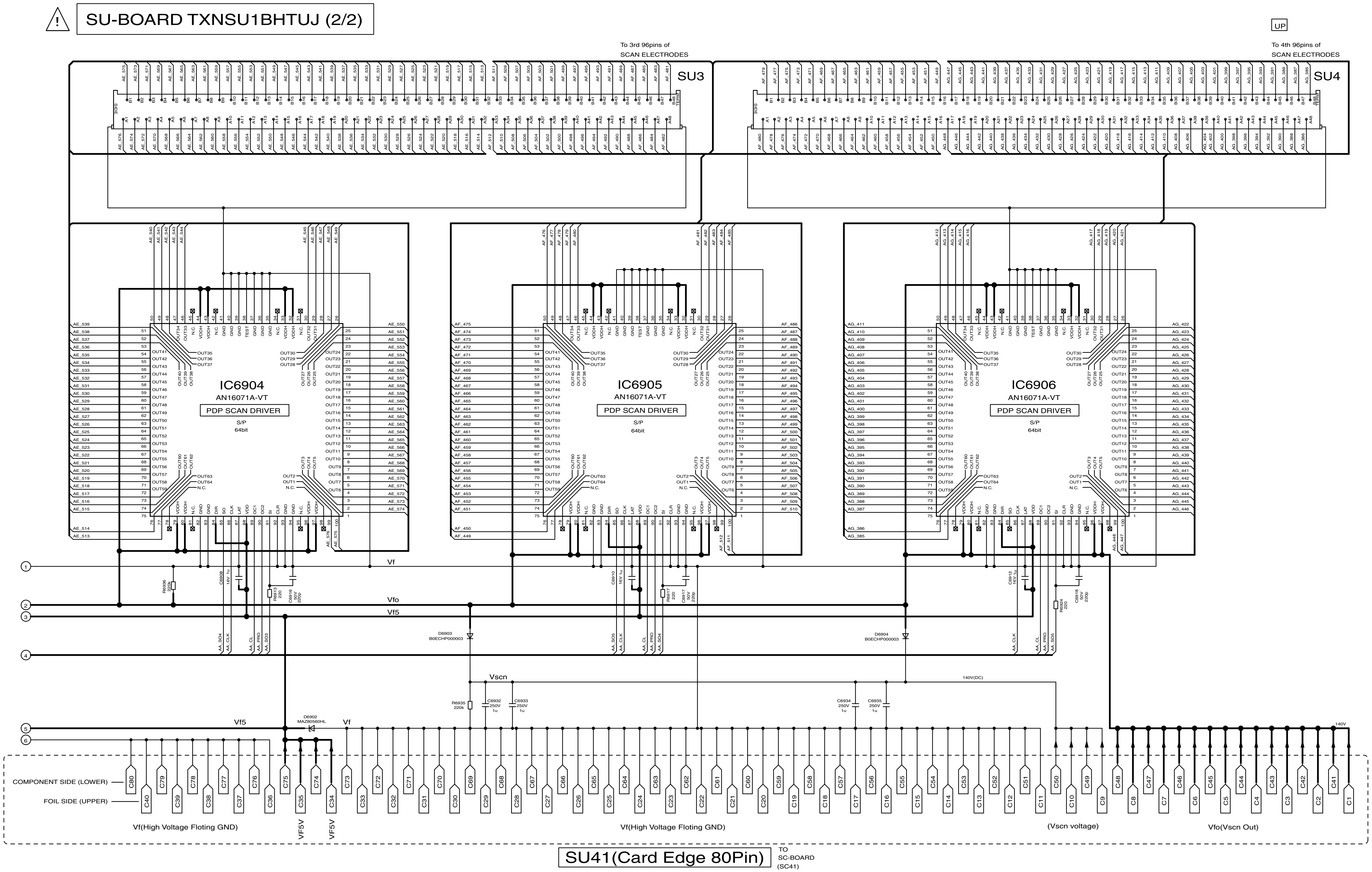
TH-50PX60U SC-Board (2 of 2) Schematic Diagram

TH-50PX60U SC-Board (2 of 2) Schematic Diagram

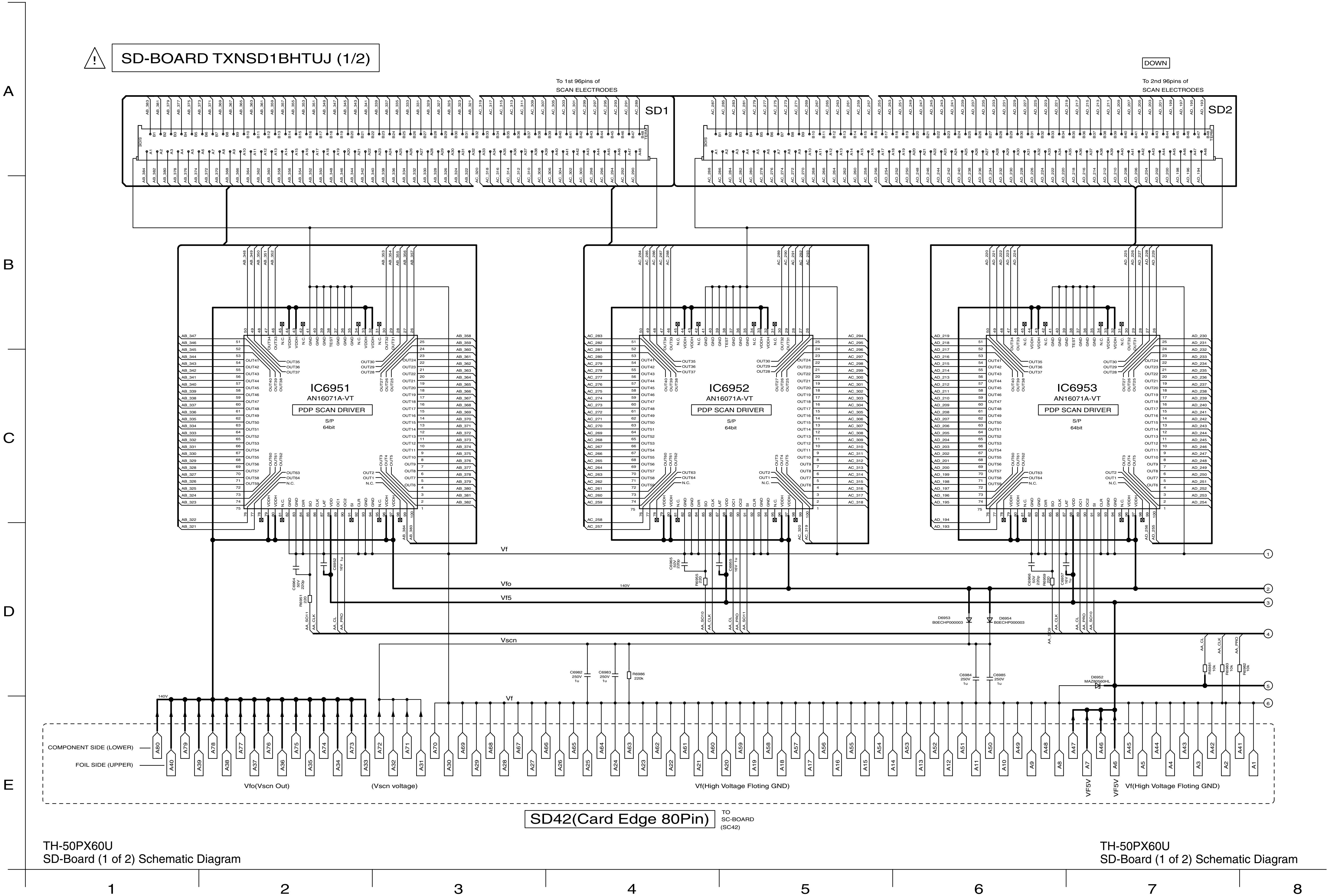
14.65. SU-Board (1 of 2) Schematic Diagram


SU-BOARD TXNSU1BHTUJ (1/2)
UP
To 1st 96pins of SCAN ELECTRODES
To 2nd 96pins of SCAN ELECTRODES
SU1
SU2
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6903
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
Vf
Vfo
Vf5
Vf5
Vf
FSI
FCL
FCLK
PRO
R6903 22
R6902 22
R6904 22
R6933 10k
R6932 10k
R6934 10k
C6931 50V 1000p
TO SC-BOARD (SC45)
SU 45
FSI
FCL
FCLK
PRO
VF5V
VF5V
A
B
C
D
E
1
2
3
4
5
6
7
8

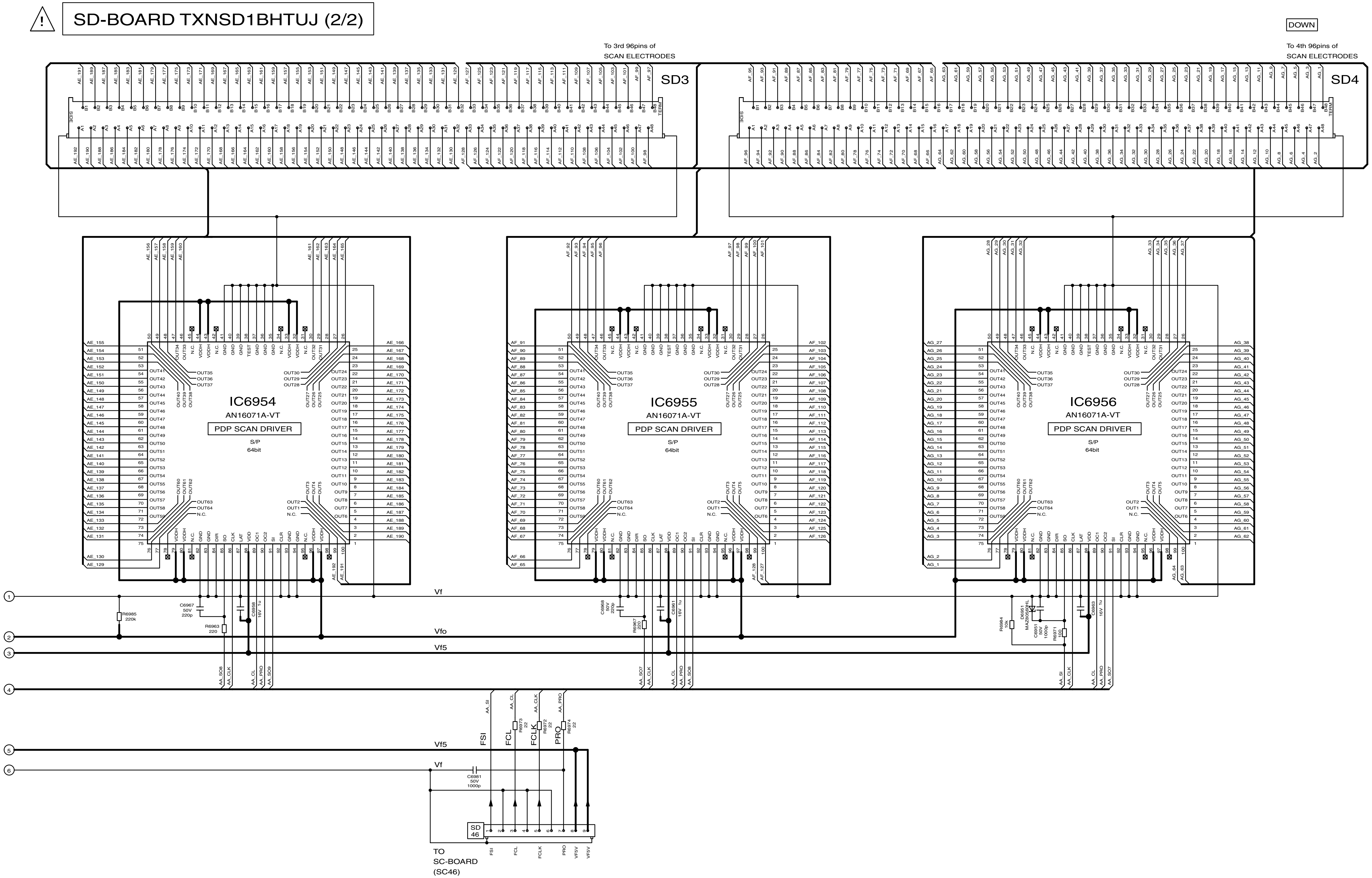
14.66. SU-Board (2 of 2) Schematic Diagram


SU-BOARD TXNSU1BHTUJ (2/2)
UP
To 3rd 96pins of
SCAN ELECTRODES
SU3
To 4th 96pins of
SCAN ELECTRODES
SU4
IC6904
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6905
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6906
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
140V(DC)
140V
D6903
B0ECHP000003
D6904
B0ECHP000003
D6902
MAZ80560HL
R6935
220k
C6932
250V
1u
C6933
250V
1u
C6934
250V
1u
C6935
250V
1u
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
(Vscn voltage)
Vfo(Vscn Out)
SU41(Card Edge 80Pin)
TO
SC-BOARD
(SC41)

14.67. SD-Board (1 of 2) Schematic Diagram

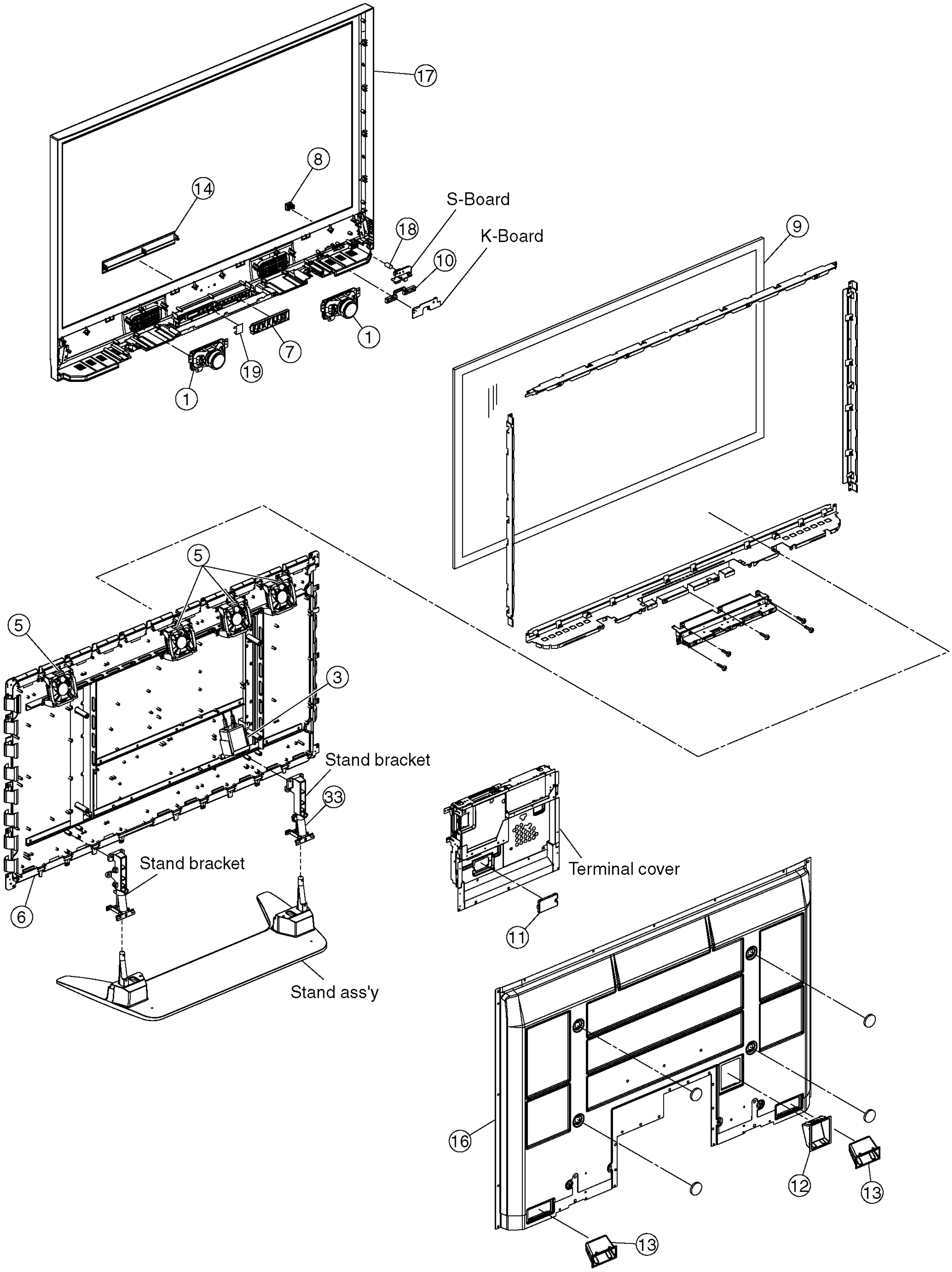

SD-BOARD TXNSD1BHTUJ (1/2)
DOWN
To 1st 96pins of
SCAN ELECTRODES
To 2nd 96pins of
SCAN ELECTRODES
SD1
SD2
IC6951
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6952
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6953
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
140V
D6953
B0ECHP000003
D6954
B0ECHP000003
D6952
MAZ80560HL
C6982
250V
1u
C6983
250V
1u
R6986
220k
C6984
250V
1u
C6985
250V
1u
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vfo(Vscn Out)
(Vscn voltage)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
SD42(Card Edge 80Pin)
TO
SC-BOARD
(SC42)
TH-50PX60U
SD-Board (1 of 2) Schematic Diagram
TH-50PX60U
SD-Board (1 of 2) Schematic Diagram
A
B
C
D
E
1
2
3
4
5
6
7
8

14.68. SD-Board (2 of 2) Schematic Diagram

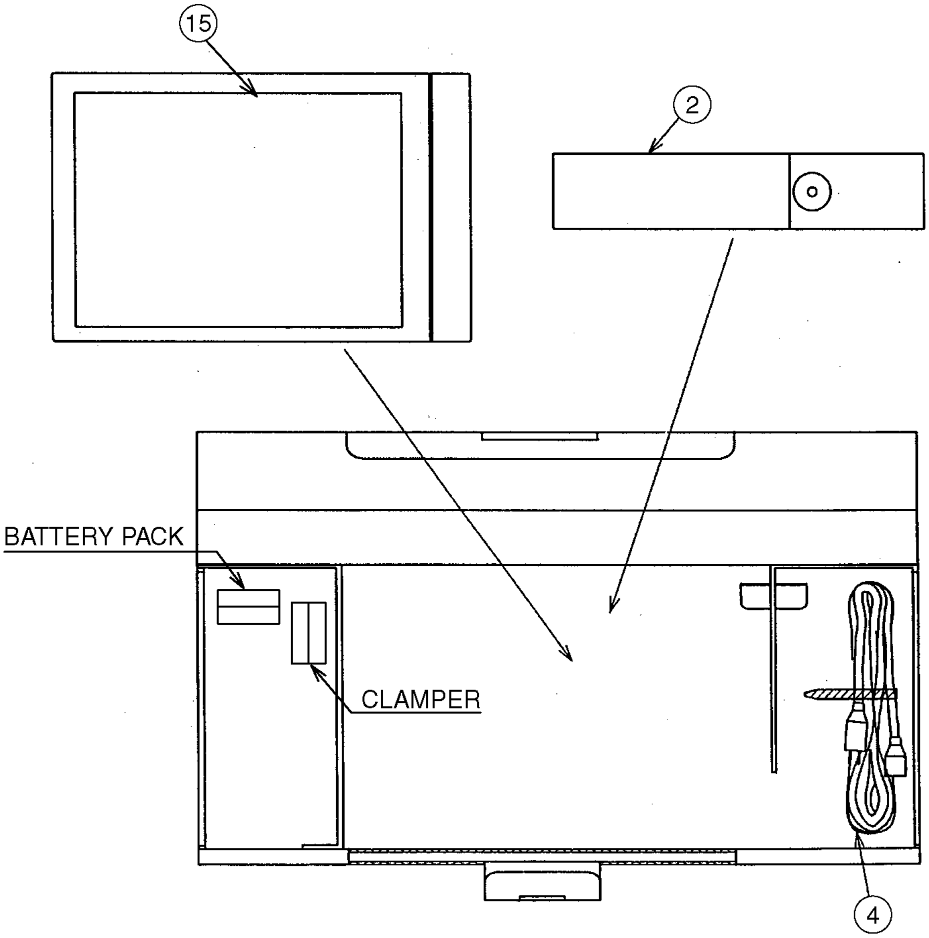

SD-BOARD TXNSD1BHTUJ (2/2)
DOWN
To 3rd 96pins of SCAN ELECTRODES
To 4th 96pins of SCAN ELECTRODES
SD3
SD4
IC6954
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6955
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6956
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vf5
Vf
R6985
220k
C6967
50V
220p
C6958
16V 1u
R6963
220
C6968
50V
220p
R6967
220
C6961
16V 1u
R6984
10k
D6951
MA2SD29
C6951
50V
1000p
R6971
100
C6963
16V 1u
AA_SI
AA_CL
AA_CLK
AA_PRO
R6973
22
R6972
22
R6974
22
FSI
FCL
FCLK
PRO
C6981
50V
1000p
SD46
FSI
FCL
FCLK
PRO
VF5V
VF5V
TO
SC-BOARD
(SC46)
1
2
3
4
5
6

15 Parts Location & Mechanical Replacement Parts List

15.1. Parts Location


17
8
14
S-Board
K-Board
18
10
9
1
7
19
1
5
5
3
Stand bracket
33
Stand bracket
6
Stand ass'y
Terminal cover
11
16
12
13
13

15.2. Packing Exploded Views


⑮
②
BATTERY PACK
CLAMPER
④

15.3. Mechanical Replacement Parts List

Note:

All parts except parts mentioned [PAVCA] in the Remarks column are supplied by PAVC-CSG.

Parts mentioned [PAVCA] are supplied by PAVCA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EAS12S10A	SPEAKER	2	PAVCA
2	EUR7737Z20	REMOTE CONTROL	1	PAVCA
	K1YD68000002	68P CONNECTOR	1	
	K1YD80000002	80P CONNECTOR	1	
3	K2AHYH000002	AC-INLET	1	PAVCA ⚠
4	K2CG3DH00025	AC CORD	1	⚠
5	L6FAYYYH0011	FAN UNIT (80MM)	3	PAVCA
6	MD50H09A1J	PLASMA DISPLAY PANEL	1	⚠
	TBMA186	PANASONIC BADGE	1	PAVCA
7	TBX2AA3601	CONTROL BUTTON	1	PAVCA
8	TXFBX02QSER	ASSY POWER BUTTON	1	PAVCA
19	TES2AA0161	LEAF SPRING	1	PAVCA
9	TKGA5265	FRONT GLASS	1	PAVCA
10	TKK2AA7001	PANEL LIGHT	1	PAVCA
11	TKP2AA1921	ADJUSTMENT COVER	1	PAVCA
12	TKPA94301	INLET COVER	1	
13	TKRA46201	REAR COVER HANDLE	2	
14	TKR2AA00114	FRONT DOOR	1	
	TBL2AX00051	PACKED PEDESTAL STAND	1	
15	TQB2AA0663	INSTRUCTION BOOK (ENG/FRE/SPA)	1	PAVCA ⚠
	TSXL514	CABLE (D32-C31)	1	
	TSXL515	CABLE (D33-C41)	1	
	TSXL516	CABLE (D31-C21)	1	
	TSXL517	CABLE (D34-C51)	1	
	TSXL518	CABLE (C10-C20/C50-C60)	2	
	TSXL519	CABLE (C22-C32/C52-C42)	2	
	TSXL520	CABLE (DG1-H1)	1	
	TSXL521	CABLE (DG15-HC15)	1	
	TSXL524	CABLE (DG3-D3)	1	
	TSXL525	CABLE (DG20-PA20)	1	
16	TXFKU05QSER	REAR COVER	1	PAVCA ⚠
	TBLA3416	STAND POLE	2	
	TXFMM01CXTW	STOPPER	1	
17	TXFKY21QSER	ASSY ESCUTCHEON	1	PAVCA ⚠
18	TES4G204	POWER BUTTON SPRING	1	

16 Electrical Replacement Parts List

16.1. Replacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal FIlm	J : ±5% K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polyprop lene	F : ±1pF G : ±3pF J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

16.2. Electrical Replacement Parts List

Note:

All parts except parts mentioned [PAVCA] in the Remarks column are supplied by PAVC-CSG.

Parts mentioned [PAVCA] are supplied by PAVCA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F101.102	K5D103BMA001	TIME LAG FUSE HIGH	2	⚠
A101,02	RA362MSV7	ARRESTOR	2	⚠
C10	K1MN55BA0076	55P CONNECTOR	1	
C20	K1MN55BA0076	55P CONNECTOR	1	
C21	K1MN80BA0076	80P CONNECTOR	1	
C22	K1MN20BA0231	20P CONNECTOR	1	
C31	K1MN55BA0076	55P CONNECTOR	1	
C32	K1MN20BA0231	20P CONNECTOR	1	
C33	K1KA04AA0150	4P CONNECTOR	1	
C41	K1MN68BA0076	68P CONNECTOR	1	
C42	K1MN20BA0231	20P CONNECTOR	1	
C43	K1KA12BA0107	12P CONNECTOR	1	
C44	K1KA04BA0107	4P CONNECTOR	1	
C50	K1MN55BA0076	55P CONNECTOR	1	
C51	K1MN80BA0076	80P CONNECTOR	1	
C52	K1MN20BA0231	20P CONNECTOR	1	
C60	K1MN55BA0076	55P CONNECTOR	1	
C101	ECQU2A105ML	P 1UF, 250V	1	
C102	ECQU2A224ML	P 0.22UF, 250V	1	
C103,04	ECKENA101KBR	C 100P 250V	2	⚠
C106,07	MMXC2W105K	C 1P 450V	2	
C108	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C109	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C110	ECJ2XC1H471J	C 470PF, J, 50V	1	
C111	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C112	KZE1E470	C 470U 25V	1	
C113	ECJ2XC1H471J	C 470PF, J, 50V	1	
C114	ECJ2XC1H101J	C 100PF, J, 50V	1	
C115	ECQE6472B45	C 4700U 630V	1	
C116,17	KMQ2W221L	C 220U 450V	2	
C118	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C119	ECKDNA331KB7	C 330PF, Z,	1	⚠
C120	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C121	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C122,23	ECJ2FB1H104K	C 0.1UF, K, 50V	2	
C127	KMQ2W221L	C 220U 450V	1	
C128	TBB106K1A	C 10U 10V	1	
C129	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C201,02	KZE1E470	C 470U 25V	2	
C203,04	RR3DD101K7	C 100P 2KV	2	
C206	ECWH8473HV	P 0.047PF, J, 8KV	1	
C251	KMQ220901Z	C 900U 220V	1	
C253,54	KMQ220901Z	C 900U 220V	2	
C256,57	ECQE2473SKF	C 0.047U 250V	2	
C301	KZE1E470	C 470U 25V	1	
C302,03	RR3DD101K7	C 100P 2KV	2	
C305	ECWH8183HV	C 0.018UF 800V	1	
C306	KZE1E470	C 470U 25V	1	
C351-53	KZE1E182S	C 1800UF 25V	3	
C354,55	ECQV1H474JL	P 0.47UF, J, 50V	2	
C356	KZE1E821L	C 8200UF 25V	1	
C357	TEB104K5	C 0.1UF 50V	1	
C358	KZE1E331S	C 330UF 25V	1	
C359	TEB104K5	C 0.1UF 50V	1	
C360	KZE1E101	C 100UF 25V	1	
C361	TEB104K5	C 0.1UF 50V	1	
C363	KZE1E821L	C 8200UF 25V	1	
C364	TEB104K5	C 0.1UF 50V	1	
C365	KZE2A270	C 27UF 100V	1	
C401	KZE2A270	C 27UF 100V	1	
C402	KZE2A471S	C 470UF 100V	1	
C404,05	KZE2A471S	C 470UF 100V	2	
C501	ECQU2A473ML	P 0.047UF, M,250V	1	⚠
C502,03	ECJ2FB1H104K	C 0.1UF, K, 50V	2	
C504	KZE1E101	C 100UF 25V	1	
C505	KZE1E470	C 470U 25V	1	
C506	KXG2W330	C 330UF 450V	1	
C508	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C509	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C510	KZE1H101	C 100UF 50V	1	
C514	KZE1E101	C 100UF 25V	1	
C515	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C551	ECKENA221KBR	C 220P 250V	1	⚠
C552	KZE1E331S	C 330UF 25V	1	
C555	TBB474K2	C 0.47UF 25V	1	
C556	KZE1E101	C 100UF 25V	1	
C557	TBB475K1	C 4.7UF 16V	1	
C558	KZE1A471	C 470UF 10V	1	
C559-61	TEB104K5	C 0.1UF 50V	3	
C1106	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1111	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1116	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1118-23	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1125	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1127-32	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1133,34	ECJ1XC1H150J	C 15PF, J, 50V	2	
C1135-42	ECJ0EB1A104K	C 0.1UF, K, 10V	8	
C1144-50	ECJ0EB1A104K	C 0.1UF, K, 10V	7	
C1151	ECJ0EB1H101K	C 100PF, K, 50V	1	
C1152	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1153	EEEHB0G101R	C 100PF, J, 4V	1	
C1154	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1155	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1156,57	ECJ1XC1H220J	C 22PF, J, 50V	2	
C1158	F1J0J1060004	C 0.010UF, K, 16V	1	
C1159	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1161	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1167,68	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C1169	EEEHB0G101R	C 100PF, J, 4V	1	
C1170-72	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C1178	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1190	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C1193,94	F1J0J1060004	C 0.010UF, K, 16V	2	
C1197	ECJ0EB1H101K	C 100PF, K, 50V	1	
C1209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1211	ECJ1XC1H471J	C 470PF, J, 50V	1	
C1215	ECJ1XC1H561J	C 560PF, J, 50V	1	
C1219	EEEHP1C100R	C 10PF, J, 16V	1	
C1221	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C1224	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1226	F1J0J1060004	C 0.010UF, K, 16V	1	
C1227	ECJ0EB1H101K	C 100PF, K, 50V	1	
C1228-34	EEEHB1C470P	C 47PF, J, 16V	7	
C2301	ECA1EHG471	E 470UF, 25V	1	
C2303	ECA1CMH101	E 100UF, 16V	1	
C2314	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2317	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2320	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2321	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2322	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2323,24	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2325,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2327	F1J1H474A757	C 0.47UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2328-31	ECJ2FB1E105K	C 1UF, K, 25V	4	
C2332,33	ECA1EHG471	E 470UF, 25V	2	
C2334,35	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2336	F1J1H474A757	C 0.47UF, 50V	1	
C2337,38	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2341	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2342	ECJ2FB1E105K	C 1UF, K, 25V	1	
C2373	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C2374	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2380	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2382	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2385	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2387	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2393,94	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2401	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2402	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2403	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2417	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2521	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2603	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2606	ECJ1VB1H332K	C 3300PF, K, 50V	1	
C2607	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C2608	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2609	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2610-14	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C2615	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2616	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C2617	ECJ1VB1H332K	C 3300PF, K, 50V	1	
C2620,21	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C2624	ECA1CMH101	E 100UF, 16V	1	
C2625	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2626	TCUY1C225ZFN	C 2.2UF, 16V	1	
C2632	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2633,34	TCUY1C225ZFN	C 2.2UF, 16V	2	
C2636	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C2637	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2642	ECJ2FB1C474K	C 0.47UF, Z, 16V	1	
C2643	ECJ1VB1H152K	C 1500PF, K, 50V	1	
C2644	F1J1A106A043	C 0.010UF, K, 16V	1	
C2645	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2646,47	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2648	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2649,50	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2652	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2656	ECA1HHG220	E 22UF, 50V	1	
C2657	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2658	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2660,61	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2662	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2663	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2665,66	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C2667	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2668	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2670	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2672	ECA1HHG220	E 22UF, 50V	1	
C2673	F1J1A106A043	C 0.010UF, K, 16V	1	
C2675	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2676	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2677	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2678	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2679-82	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C2684	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2685	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C2686-89	ECJ2FB1A105K	C 1UF, K, 10V	4	
C2694	ECJ2XB1C154K	C 0.15PF, K, 16V	1	
C2699	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C2700	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2701	ECA1HHG220	E 22UF, 50V	1	
C2702	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2703	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2705	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2706	ECJ1VB1H152K	C 1500PF, K, 50V	1	
C2707	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C2708	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2709	ECJ2XB1C154K	C 0.15PF, K, 16V	1	
C2710	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2711	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C2712	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2713	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2714	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C2715	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2717	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2718	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2722	ECJ2FB1C474K	C 0.47UF, Z, 16V	1	
C2723	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2725,26	ECA1HHG100	E 10UF, 50V	2	
C2727,28	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C2729	F1J1A106A043	C 0.010UF, K, 16V	1	
C2730	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2731	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C2732	ECA1CMH101	E 100UF, 16V	1	
C2733	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2734	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2735	ECA1CMH101	E 100UF, 16V	1	
C2737	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2739,40	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C2741	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2742	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2743	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2744	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2746	ECA1CMH101	E 100UF, 16V	1	
C2747	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2750	ECA1HHG220	E 22UF, 50V	1	
C2751-54	ECJ1VF1A105Z	C 1UF, Z, 10V	4	
C2756	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2757	ECA1CMH101	E 100UF, 16V	1	
C2762	TCUY1C225ZFN	C 2.2UF, 16V	1	
C2768,69	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C2773	ECA1HHG220	E 22UF, 50V	1	
C2774	ECA1HHG100	E 10UF, 50V	1	
C2775	ECA1EHG471	E 470UF, 25V	1	
C2777,78	TCUY1C225ZFN	C 2.2UF, 16V	2	
C2779,80	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C2783	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2784,85	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C2790	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C2791	F2A1H4700036	E 47UF, 50V	1	PAVCA
C2792,93	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C2798	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2801	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2802	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C3750	ECJ2XC1H102K	C 1000PF, K, 50V	1	
C4003-08	F1J0J1060004	C 0.010UF, K, 16V	6	
C4014,15	F1J0J1060004	C 0.010UF, K, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4023	F1J0J1060004	C 0.010UF, K, 16V	1	
C4026	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4027	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4028	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4112	F1J0J1060004	C 0.010UF, K, 16V	1	
C4117	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4158	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4159	F1H1C104A065	C 0.1UF, K, 16V	1	
C4160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4168	ECJ1XC1H680J	C 68PF, J, 50V	1	
C4171	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4172,73	F1H1C104A065	C 0.1UF, K, 16V	2	
C4174	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4175	F1H1C104A065	C 0.1UF, K, 16V	1	
C4176	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4177	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C4178	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C4180	F1H1C104A065	C 0.1UF, K, 16V	1	
C4185,86	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C4188	F1J0J1060004	C 0.010UF, K, 16V	1	
C4189-91	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4199	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4200	EEEHB1C470P	C 47PF, J, 16V	1	
C4201	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4204	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4205,06	F1H1C104A065	C 0.1UF, K, 16V	2	
C4208,09	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4211	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4215	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4216	EEEHB1C470P	C 47PF, J, 16V	1	
C4217	F1H1C104A065	C 0.1UF, K, 16V	1	
C4218	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4219	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4224	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4227	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4228	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4235	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4244	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4245	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4248	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4253	EEEHB1C470P	C 47PF, J, 16V	1	
C4256	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4262-64	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4266	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4269	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4272	EEEHB1C470P	C 47PF, J, 16V	1	
C4273	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4281-84	ECJ0EB1A104K	C 0.1UF, K, 10V	4	
C4287,88	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4289,90	EEEHB0J330R	C 33PF, J, 6.3V	2	
C4291,92	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4296	F1J0J1060004	C 0.010UF, K, 16V	1	
C4297	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4298-06	ECJ1VB1A105K	C 0.01UF, Z, 50V	9	
C4307-09	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4310	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4311	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4313,14	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4315	F1J0J1060004	C 0.010UF, K, 16V	1	
C4316-18	ECJ0EB1A104K	C 0.1UF, K, 10V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4320-22	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4325	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4327	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4329,30	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4331	F1J0J1060004	C 0.010UF, K, 16V	1	
C4332	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4333-38	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C4339	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4340	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4341	EEEHB1C470P	C 47PF, J, 16V	1	
C4342	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4343	EEEHB1C100R	C 10PF, J, 16V	1	
C4344,45	F1J0J1060004	C 0.010UF, K, 16V	2	
C4346	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4347	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4348	EEEHB1C470P	C 47PF, J, 16V	1	
C4349	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4350,51	ECJ1XC1H181J	C 180PF, J, 50V	2	
C4352,53	ECJ1XC1H330J	C 33PF, J, 50V	2	
C4354	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4360	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4362	F1J0J1060004	C 0.010UF, K, 16V	1	
C4363,64	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4365	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4366	EEEHB1C470P	C 47PF, J, 16V	1	
C4367	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4371	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4373	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4374	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4375,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4377	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4379	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4380	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4381,82	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4383	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4384	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4385	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4386	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4387	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4388	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4389	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4390	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4391	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4392	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4393,94	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4395	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4396	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4397,98	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4399,00	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4401	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4402,03	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4404	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4405	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4406	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4407,08	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4409	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4410	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4411,12	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4413,14	ECJ0EB1H102K	C 1000PF, K, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4415	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4417	EEEHB1C470P	C 47PF, J, 16V	1	
C4418,19	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4420,21	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4422-24	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4425,26	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4427	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4428	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4429,30	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4434	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4435	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4436-39	ECJ0EB1H102K	C 1000PF, K, 50V	4	
C4440	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4441,42	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4447	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4448	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4451	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4452	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4453,54	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4455	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4456	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4457,58	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4459	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4460	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4461	ECJ1XC1H820J	C 82PF, J, 50V	1	
C4462	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4464	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4465	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4466	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4467	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4470	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4474	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4475,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4477	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4478	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4479-81	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4482	ECJ1XC1H180J	C 18PF, J, 50V	1	
C4483	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4493	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4494	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4496	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4497	EEEHB0G101R	C 100PF, J, 4V	1	
C4498	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4499	EEFCD0G560ER	56UF,	1	
C4501	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4502	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4503	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4504	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4505	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4506	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4507	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4508	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4509-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4512	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4513	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4514	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4515,16	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4517	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4518	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4519	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4520	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4521	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4522	ECJ0EB1A104K	C 0.1UF, K, 10V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4523	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4524	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4525	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4526	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4527	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4528	EEEHB1C470P	C 47PF, J, 16V	1	
C4529	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4530,31	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4532,33	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4534	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4535	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4536	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4537	EEEHB0G101R	C 100PF, J, 4V	1	
C4538	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4539	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4540	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4541	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4544	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5605	EEUFC1E471	E 470UF, 25V	1	
C5606	ECA1CM471	E 470UF, 16V	1	
C5609	ECA1HM220	E 22UF, 50V	1	
C5611	F2A1H331A257	E 330UF, 50V	1	
C5612	ECA1CM471	E 470UF, 16V	1	
C5613	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5616	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5617	ECA1CM471	E 470UF, 16V	1	
C5618,19	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C5622	ECA1CM471	E 470UF, 16V	1	
C5623	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5633	ECA1EM221	E 220UF, 25V	1	
C5637	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5641-44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C5645	ECA1CHG470	E 47UF, 16V	1	
C5646	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5647	ECA1CHG470	E 47UF, 16V	1	
C5648	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5670	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5672	ECA1HHG100	E 10UF, 50V	1	
C5673	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5801,02	EEUFC1E471	E 470UF, 25V	2	
C5804	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5805	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C5809	ECJ3XF1E105Z	C 1UF, Z, 25V	1	
C5810	ECA1EHG470	E 47UF, 25V	1	
C6001	F1L2J562A022	C 5600UF, K,6.3V	1	
C6011-16	F2A2T201A001	E 200UF,	6	
C6023	F1L2J562A022	C 5600UF, K,6.3V	1	
C6031	F0C2E405A176	E 0.040UF, 250V	1	
C6041-44	TCUY1C105ZFN	C 1UF, 16V	4	
C6105	F1L1E4750004	C 4.7UF, 25V	1	
C6111,12	F2A2D221A022	E 220UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-55	F1L1E4750004	C 4.7UF, 25V	4	
C6192	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6194,95	F1L1E4750004	C 4.7UF, 25V	2	
C6201-04	F0C2E405A176	E 0.040UF, 250V	4	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213	F2A1E102A220	E 1000UF, 25V	1	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6241	ECA1EM471	E 470UF, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6242	TCUY1C105ZFN	C 1UF, 16V	1	
C6243	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6251	TCUY1C105ZFN	C 1UF, 16V	1	
C6262,63	F2A2A471A072	E 470UF, 100V	2	
C6272,73	EEUFC1E221	E 220UF, 25V	2	
C6401-03	F1L2J222A022	C 2200UF, K,6.3V	3	
C6411-16	F2A2T201A001	E 200UF,	6	
C6421-24	F1L2J222A022	C 2200UF, K,6.3V	4	
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6512-15	F0C2E405A176	E 0.040UF, 250V	4	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6561	F2A1A1010074	E 100UF, 10V	1	
C6562	TCUY1C105ZFN	C 1UF, 16V	1	
C6563	F2A1A1010074	E 100UF, 10V	1	
C6564	TCUY1C105ZFN	C 1UF, 16V	1	
C6565,66	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	TCUY1C105ZFN	C 1UF, 16V	1	
C6592	ECA1EM471	E 470UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6601,02	F1L1E4750004	C 4.7UF, 25V	2	
C6603	F1K2J102A014	C 1000UF, K,6.3V	1	
C6604	F2A2V470A020	E 47UF, 350V	1	
C6605	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6606	F1K2J102A014	C 1000UF, K,6.3V	1	
C6610	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6611	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6612	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6620	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6641	ECQE2105RKB	P 1UF, 250V	1	
C6661,62	F1K2J102A014	C 1000UF, K,6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6681,82	F1L1E4750004	C 4.7UF, 25V	2	
C6683	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6691	ECA2CM101	E 100UF, 160V	1	
C6701-08	ECJ2XB1H104K	C 0.1UF, K, 50V	8	
C6721	ECA1HM101	E 100UF, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	TCUY1C105ZFN	C 1UF, 16V	2	
C6728	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6754	ECA1VM470	E 47UF, 35V	1	
C6755	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6771	TCUY1C105ZFN	C 1UF, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6776,77	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	EEUFC1E221	E 220UF, 25V	1	
C6795,96	EEUFC1E221	E 220UF, 25V	2	
C6801	F2A2E470A022	E 47UF, 250V	1	
C6802	ECQE6223KF	P 0.022UF, K,400V	1	
C6803	ECKD3D221KBP	C 220PF, K, 2KV	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6806	ECA2CM101	E 100UF, 160V	1	
C6807	ECJ2XC1H471J	C 470PF, J, 50V	1	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6812	F1L1E4750004	C 4.7UF, 25V	1	
C6813	ECA2CM101	E 100UF, 160V	1	
C6814	ECA1VM151	E 150UF, 35V	1	
C6815	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6822	F2A2V100A019	E 10UF, 350V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841	ECA2DHG101	E 100UF, 200V	1	
C6842	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6910	TCUY1C105ZFN	C 1UF, 16V	1	
C6912	TCUY1C105ZFN	C 1UF, 16V	1	
C6914-18	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932-35	F1L2E105A013	E 0.10UF, 25V	4	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6955	TCUY1C105ZFN	C 1UF, 16V	1	
C6957,58	TCUY1C105ZFN	C 1UF, 16V	2	
C6961	TCUY1C105ZFN	C 1UF, 16V	1	
C6963	TCUY1C105ZFN	C 1UF, 16V	1	
C6964-68	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E105A013	E 0.10UF, 25V	4	
C7103	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7105	TCUY1C105ZFN	C 1UF, 16V	1	
C7106	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7108	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7109	TCUY1C105ZFN	C 1UF, 16V	1	
C7112	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7114	TCUY1C105ZFN	C 1UF, 16V	1	
C7115	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7117	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7118	TCUY1C105ZFN	C 1UF, 16V	1	
C7121	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7123	TCUY1C105ZFN	C 1UF, 16V	1	
C7124	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7126	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7127,28	TCUY1C105ZFN	C 1UF, 16V	2	
C7130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201-03	TCUY1C105ZFN	C 1UF, 16V	3	
C7205	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7206	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7210	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7213	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7215	TCUY1C105ZFN	C 1UF, 16V	1	
C7216	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7221,22	ECJ1XC1H101J	C 100PF, J, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7225	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7226	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7228	TCUY1C105ZFN	C 1UF, 16V	1	
C7229,30	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7232	TCUY1C105ZFN	C 1UF, 16V	1	
C7233,34	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7236	TCUY1C105ZFN	C 1UF, 16V	1	
C7237,38	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7240	TCUY1C105ZFN	C 1UF, 16V	1	
C7241	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7243	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7247	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7249	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7251	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7302	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7306,07	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7309,10	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7311,12	TCUY1C105ZFN	C 1UF, 16V	2	
C7313-15	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7316,17	TCUY1C105ZFN	C 1UF, 16V	2	
C7318	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7319	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7321	TCUY1C105ZFN	C 1UF, 16V	1	
C7322	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7331	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7333	TCUY1C105ZFN	C 1UF, 16V	1	
C7334,35	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7337	TCUY1C105ZFN	C 1UF, 16V	1	
C7338,39	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7341	TCUY1C105ZFN	C 1UF, 16V	1	
C7342	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7403	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7405	TCUY1C105ZFN	C 1UF, 16V	1	
C7406	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7407	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7408	TCUY1C105ZFN	C 1UF, 16V	1	
C7411	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7413	TCUY1C105ZFN	C 1UF, 16V	1	
C7414	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7415	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7416	TCUY1C105ZFN	C 1UF, 16V	1	
C7419	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7421	TCUY1C105ZFN	C 1UF, 16V	1	
C7422	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7423	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7424	TCUY1C105ZFN	C 1UF, 16V	1	
C7427	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7429	TCUY1C105ZFN	C 1UF, 16V	1	
C7430	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7431	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7432,33	TCUY1C105ZFN	C 1UF, 16V	2	
C7435	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7440-43	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C7502	TCUY1C105ZFN	C 1UF, 16V	1	
C7504	TCUY1C105ZFN	C 1UF, 16V	1	
C7506	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7509	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7510	TCUY1C105ZFN	C 1UF, 16V	1	
C7511	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7513,14	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7517	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7518	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7521	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7523	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7524	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7525	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7527	TCUY1C105ZFN	C 1UF, 16V	1	
C7528,29	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7531	TCUY1C105ZFN	C 1UF, 16V	1	
C7532,33	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7535	TCUY1C105ZFN	C 1UF, 16V	1	
C7536	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7557	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7559	TCUY1C105ZFN	C 1UF, 16V	1	
C7560	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7562	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7564	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7566	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7603	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7605	TCUY1C105ZFN	C 1UF, 16V	1	
C7606	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7607	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7608	TCUY1C105ZFN	C 1UF, 16V	1	
C7611	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7613	TCUY1C105ZFN	C 1UF, 16V	1	
C7614	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7615	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7616	TCUY1C105ZFN	C 1UF, 16V	1	
C7619	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7621	TCUY1C105ZFN	C 1UF, 16V	1	
C7622	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7623	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7624,25	TCUY1C105ZFN	C 1UF, 16V	2	
C7626	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7701	ECJ1XC1H330J	C 33PF, J, 50V	1	
C7702	EEEHB0G470R	C 47PF, J, 4V	1	
C7703,04	ECJ1XC1H330J	C 33PF, J, 50V	2	
C7705	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C7707	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C7708	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C7709	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C7711	ECJ1XC1H330J	C 33PF, J, 50V	1	
C8099,00	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8101,02	ECJ1XB0J105K	C 1UF, K, 16V	2	
C8103,04	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8105	EEEHB0G101R	C 100PF, J, 4V	1	
C8106,07	ECJ1XB0J105K	C 1UF, K, 16V	2	
C8108	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8109	EEEHB0G101R	C 100PF, J, 4V	1	
C8110,11	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8112	ECJ1XB0J105K	C 1UF, K, 16V	1	
C8113-18	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C8120,21	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8128,29	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8144	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8145	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8162	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8164	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8170	F1J1A106A043	C 0.010UF, K, 16V	1	
C8200	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8201	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8202,03	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8204	EEEHB0J221P	C 220PF, J, 6.3V	1	
C8205	EEEHB1H220P	C 22PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8206,07	EEEHB0J221P	C 220PF, J, 6.3V	2	
C8208	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
C8211	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
C8212	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8218,19	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8220	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8222	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8224,25	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8226	EEEHB1C470P	C 47PF, J, 16V	1	
C8228,29	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8231	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8233	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8234,35	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8237	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8238,39	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8240	ECJ1XB0J105K	C 1UF, K, 16V	1	
C8241	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8244	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C8245	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8246	EEEHB0G470R	C 47PF, J, 4V	1	
C8247	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8253	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8254	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8255	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8272,73	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8298,99	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8302	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8303	EEEHB1C470P	C 47PF, J, 16V	1	
C8304,05	ECJ0EC1H150J	C 15PF, K, 50V	2	
C8306	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8308-10	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8311,12	ECJ1XB0J105K	C 1UF, K, 16V	2	
C8313-15	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8316	EEEHB1C100R	C 10PF, J, 16V	1	
C8317-19	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8320	ECJ1XB0J105K	C 1UF, K, 16V	1	
C8321-23	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8327	EEEHB1C100R	C 10PF, J, 16V	1	
C8329-31	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8332	ECJ0EC1H151J	C 180PF, K, 50V	1	
C8333,34	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8336	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8337	EEEHB1C100R	C 10PF, J, 16V	1	
C8338	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8342-44	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8345,46	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C8347-53	ECJ0EB1A104K	C 0.1UF, K, 10V	7	
C8355	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8356	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8357,58	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8359	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
C8360	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8361	ECJ0EC1H270J	C 270PF, K, 50V	1	
C8362	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8365	ECJ1VB1A224K	C 0.22UF, Z, 50V	1	
C8368-76	ECJ0EB1A104K	C 0.1UF, K, 10V	9	
C8377	ECJ0EB1C223K	C 0.022UF, K, 16V	1	
C8413,14	ECJ0EC1H120J	C 120PF, K, 50V	2	
C8415	ECJ0EB1H471K	C 470PF, K, 50V	1	
C8419	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C8420,21	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C8430	ECJ0EC1H050C	C 5PF, D, 50V	1	
C8432	ECJ0EC1H270J	C 270PF, K, 50V	1	
C8433,34	ECJ0EC1H101J	C 100PF, K, 50V	2	
C8435,36	ECJ0EC1H470J	C 470PF, K, 50V	2	
C8437	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8440,41	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8445	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8446	ECJ0EB1H182K	C 1800UF, Z, 50V	1	
C8450-52	ECJ2FF1A475Z	C 4.7UF, Z, 10V	3	
C8453	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8456,57	F1J0J475A035	C 4.7UF, K, 16V	2	
C8467,68	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8469	ECJ1VB0J334K	C 0.33UF, K,6.3V	1	
C8474	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8475,76	ECJ1XB0J105K	C 1UF, K, 16V	2	
C8477	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8478	ECJ1XB0J105K	C 1UF, K, 16V	1	
C8479,80	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8482	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8483	ECJ0EC1H101J	C 100PF, K, 50V	1	
C8484	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8485	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C8486	F1J1A106A043	C 0.010UF, K, 16V	1	
C8487	ECJ0EC1H151J	C 180PF, K, 50V	1	
C8488	ECJ0EC1H101J	C 100PF, K, 50V	1	
C8492	EEEHB1C470P	C 47PF, J, 16V	1	
C8495	ECJ0EC1H020C	C 2PF, D, 50V	1	PAVCA
C8496	ECGRL0G680ER	C 68PF, J, 4V	1	
C8500	ECJ2FF1A475Z	C 4.7UF, Z, 10V	1	
C8501	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8503,04	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8505	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8506	EEEHB1C470P	C 47PF, J, 16V	1	
C8507,08	ECJ2FF1A475Z	C 4.7UF, Z, 10V	2	
C8509	EEEHB1C470P	C 47PF, J, 16V	1	
C8510	ECJ0EC1H050C	C 5PF, D, 50V	1	
C8511	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8515	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8516	EEEHB1C470P	C 47PF, J, 16V	1	
C8517	ECJ0EC1H050C	C 5PF, D, 50V	1	
C8518	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8520,21	ECJ0EC1H181J	C 180PF, K, 50V	2	
C8522,23	ECJ0EC1H390J	C 390PF, K, 50V	2	
C8529	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8530	ECGRL0G680ER	C 68PF, J, 4V	1	
C8531	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C8532	ECJ0EB1C223K	C 0.022UF, K, 16V	1	
C8533,34	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C8535	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8536	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C8537	ECJ0EB1H471K	C 470PF, K, 50V	1	
C8538	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C8542	ECJ0EB1C103K	C0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8546,47	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8550	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8551	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8552	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C8553-55	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C8556	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C8557	F1J1A106A043	C 0.010UF, K, 16V	1	
C8558	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8559,60	EEEHB1C470P	C 47PF, J, 16V	2	
C8561	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8563	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8567	ECGRL0G680ER	C 68PF, J, 4V	1	
C8568	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C8572	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8573	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C8577	ECJ0EC1H270J	C 270PF, K, 50V	1	
C8578	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8581	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8584	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8590	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8592	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8594	ECGRL0G680ER	C 68PF, J, 4V	1	
C8595,96	ECJ0EB1C103K	C0.010UF, K, 16V	2	
C8597	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8598	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8600	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8601	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8602-04	ECJ0EB1C103K	C0.010UF, K, 16V	3	
C8605	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8606	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8607	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8608	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8609	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8610	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8611,12	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8613	ECJ1XB0J105K	C 1UF, K, 16V	1	
C8614	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8615,16	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8617	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8620	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C8621	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8622	ECGRL0G680ER	C 68PF, J, 4V	1	
C8624	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C8626-28	ECJ0EB1C103K	C0.010UF, K, 16V	3	
C8629,30	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8633,34	ECJ0EC1H151J	C 180PF, K, 50V	2	
C8635,36	ECJ0EC1H100D	C 10PF, K, 50V	2	
C8639	ECJ1XB0J105K	C 1UF, K, 16V	1	
C8644,45	ECJ1XB0J105K	C 1UF, K, 16V	2	
C8646	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C8652	ECJ2FF1A106Z	C 0.001UF, Z, 10V	1	
C8653,54	ECJ1XB0J105K	C 1UF, K, 16V	2	
C8660,61	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C8662-64	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C8665,66	ECJ1VF1H104Z	C 0.1UF, Z, 50V	2	
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055-57	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9300-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	26	
C9327-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	25	
C9352	EEFCD0G560ER	56UF,	1	
C9355-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9360-64	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9365	EEFCD0G560ER	56UF,	1	
C9366,67	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9368	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9442-70	ECJ1XB1C104K	C 0.1UF, Z, 16V	29	
C9472-96	ECJ1XB1C104K	C 0.1UF, Z, 16V	25	
C9497	EEFCD0G560ER	56UF,	1	
C9512,13	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9532	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9533	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9534-38	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9539	EEFCD0G560ER	56UF,	1	
C9540,41	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9542	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9546,47	ECJ1VC1H120J	C 12PF, J, 50V	2	
C9548	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9552	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9554	F1J0J1060004	C 0.010UF, K, 16V	1	
C9557	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9601	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9608	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	
C9823,24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9845,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847,48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880,81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9926	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CA1-11	K1MN68BA0002	68P CONNECTOR	11	
CB1-11	K1MN68BA0002	68P CONNECTOR	11	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20AA0009	20P CONNECTOR	1	
D31	K1MN80BA0076	80P CONNECTOR	1	
D32	K1MN55BA0076	55P CONNECTOR	1	
D33	K1MN68BA0076	68P CONNECTOR	1	
D34	K1MN80BA0076	80P CONNECTOR	1	
D101,02	MA111	DIODE	2	
D104	S3V60	DIODE	1	
D107	MA111	DIODE	1	
D109	ERA15-10	DIODE	1	
D201,02	MA165	DIODE	2	
D203,04	MA728	DIODE	2	
D251	YG901C3R	DIODE	1	
D252	MA111	DIODE	1	
D253-55	YG901C3R	DIODE	3	
D301,02	MA165	DIODE	2	
D303,04	MA728	DIODE	2	
D351,52	YG805C06R	DIODE	2	
D355	AG01A	DIODE	1	
D401	YG901C3R	DIODE	1	
D402	AG01	DIODE	1	
D403	YG901C3R	DIODE	1	
D501	S1WBA80	DIODE	1	⚠
D502,03	ERA22-10	DIODE	2	
D505	MA111	DIODE	1	
D506	ST3D82	DIODE	1	
D508	AG01A	DIODE	1	
D511	ERA91-02	DIODE	1	
D551	RK39	DIODE	1	
D554	MA165	DIODE	1	
D555	MA111	DIODE	1	
D556	MA165	DIODE	1	
D1106,07	MA729	DIODE	2	
D1109	B0JCCE000008	DIODE	1	
D1111-13	MA111	DIODE	3	
D1117	MA3036L	ZENER DIODE	1	
D1119	MA704A	DIODE	1	
D1120	MA728	DIODE	1	
D2309	MA111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D2512	MA8043LTX	ZENER DIODE	1	
D2520A	LN1271RALTR	LED	1	
D2524	MA8056-M	ZENER DIODE	1	
D2600-03	MA111	DIODE	4	
D2617	MA152	DIODE	1	
D2619-24	MA8140M	ZENER DIODE	6	
D2640-60	MA8140M	ZENER DIODE	21	
D2661	MA3X78900L	ZENER DIODE	1	
D2662	B0BC03900015	ZENER DIODE	1	
D2663,64	MA111	DIODE	2	
D2665	MA8110M	ZENER DIODE	1	
D3702	MA8140M	ZENER DIODE	1	
D3750	MA8039H	ZENER DIODE	1	
D4019-38	EZJZ0V80008B	VARISTOR	20	
D4041	EZJZ0V80008B	VARISTOR	1	
D4044,45	EZJZ0V80008B	VARISTOR	2	
D4047,48	MA3056M	ZENER DIODE	2	
D4049-52	B0HCMM000014	DIODE	4	
D5606	B0BC01100001	ZENER DIODE	1	
D5607	B0BC6R600005	ZENER DIODE	1	
D5610	B0BC4R700007	ZENER DIODE	1	
D5612	B0BC3R700006	ZENER DIODE	1	
D5634	MA111	DIODE	1	
D5635	MA3047H	ZENER DIODE	1	
D5637,38	MA152	DIODE	2	
D5639	MA3047H	ZENER DIODE	1	
D5640	MA3039H	ZENER DIODE	1	
D5641	MA152	DIODE	1	
D5642	MA3120M	ZENER DIODE	1	
D5643	MA152	DIODE	1	
D5644	MA3068M	ZENER DIODE	1	
D5646,47	MA152	DIODE	2	
D5649	MA111	DIODE	1	
D5801	B0JCME000037	DIODE	1	
D5804	MA3120M	ZENER DIODE	1	
D5805,06	MA152	DIODE	2	
D5807	MA111	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021,22	B0HBSN000008	DIODE	2	
D6032	MA111	DIODE	1	
D6041	B0ECHP000003	DIODE	1	
D6051	B0ECHP000003	DIODE	1	
D6061,62	B0HBSN000008	DIODE	2	
D6071,72	B0HBSN000008	DIODE	2	
D6081,82	B0HBSN000008	DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECHP000003	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6105	MA111	DIODE	1	
D6131,32	B0ECHP000003	DIODE	2	
D6151-54	B0ECHP000003	DIODE	4	
D6191-93	B0ECHP000003	DIODE	3	
D6211	B0JCME000037	DIODE	1	
D6212	B0ECHP000003	DIODE	1	
D6221	B0ECHP000003	DIODE	1	
D6222,23	MA111	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6251,52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401	B0HBSN000008	DIODE	1	
D6404	B0HBSN000008	DIODE	1	
D6431,32	B0HBSP000019	DIODE	2	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461,62	B0HBSN000008	DIODE	2	
D6466	MA111	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481,82	B0HBSN000008	DIODE	2	
D6491	B0HBSP000019	DIODE	1	
D6497	MA111	DIODE	1	
D6501,02	B0ECHP000003	DIODE	2	
D6521-24	B0ECHP000003	DIODE	4	
D6581,82	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6610	MAZ81500ML	ZENER DIODE	1	
D6611-14	MA111	DIODE	4	
D6619,20	B0HCKS000002	DIODE	2	
D6621-24	B0HDSM000005	DIODE	4	
D6641,42	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6661	MA111	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	
D6666,67	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683,84	MA111	DIODE	2	
D6686,87	MA111	DIODE	2	
D6701,02	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723,24	B0JCME000037	DIODE	2	
D6725	B0ECHP000003	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760,61	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6791	MA8200M	ZENER DIODE	1	
D6802	B0BC01000044	ZENER DIODE	1	
D6803	B0HCKS000002	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	
D6806	B0ECHP000003	DIODE	1	
D6807-10	B0HCMM000014	DIODE	4	
D6820-23	MA111	DIODE	4	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	
D6841	B0HCKS000002	DIODE	1	
D6842,43	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0ECHP000003	DIODE	2	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0ECHP000003	DIODE	2	
D8203,04	LNJ208R8ARA	LED	2	
D8208	K7JAAAB00001	DIODE	1	
D8224	B0JCME000037	DIODE	1	
D8225	B0JCDD000002	DIODE	1	
D8226	B0JCME000037	DIODE	1	
D8227	B0JCDD000002	DIODE	1	
D9017-19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	
D9035	MA728	DIODE	1	
D9100-03	B0JCGD000002	DIODE	4	
D9105,06	B0JCGD000002	DIODE	2	
D9110	B0JCGD000002	DIODE	1	
D9300,01	MA152K	DIODE	2	
D9400,01	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	
D9804	MA152K	DIODE	1	
D9807,08	MA152K	DIODE	2	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DG1	K1KY80A00011	80P CONNECTOR	1	
DG2	K1KA11B00083	11P CONNECTOR	1	
DG3	K1KY40B00003	40P CONNECTOR	1	
DG5	K1KB21BA0063	21P CONNECTOR	1	
DG8,G9	K1FY119D0001	CONNECTOR	2	
DG15	K1KY40B00003	40P CONNECTOR	1	
DG20	K1MN40B00045	40P CONNECTOR	1	
DG22	K1KBB0A00009	CONNECTOR	1	
DT07	K1KA04BA0050	4P CONNECTOR	1	
DT10	K1KA13AA0105	13P CONNECTOR	1	
DT12	K1KAB0A00011	CONNECTOR	1	
F201	216005BP	FUSE 250V 5A	1	⚠
F301	216005BP	FUSE 250V 5A	1	⚠
F501	216002BP	FUSE 250V 2A	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
FL2606-11	J0HABB000003	LC FILTER	6	
FL3710-12	J0MAB0000199	LC FILTER	3	
FL4009-11	J0HABH000012	LC FILTER	3	
FL7201	J0HABH000013	LC FILTER	1	
FL7301	J0HABH000013	LC FILTER	1	
FL7501	J0HABH000013	LC FILTER	1	
FL8210, 11	J0HAAA000013	LC FILTER	2	
FL8215	J0HAAC000045	LC FILTER	1	
FL8224-34	J0HAAC000045	LC FILTER	11	
FL8236, 37	J0HAAC000045	LC FILTER	2	
FL8262, 63	J0MAB0000164	LC FILTER	2	
FL8264, 65	J0HAAC000045	LC FILTER	2	
FL9300	F1J1E1040022	LC FILTER	1	
FL9301	J0HABH000013	LC FILTER	1	
FL9302-04	F1J1E1040022	LC FILTER	3	
FL9305, 06	J0HABH000013	LC FILTER	2	
FL9400, 01	J0HABH000013	LC FILTER	2	
FL9402-04	F1J1E1040022	LC FILTER	3	
FL9501, 02	J0HABH000013	LC FILTER	2	
FL9800, 01	J0HABH000013	LC FILTER	2	
FL9803, 04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
G1	K1KA12A00317	12P CONNECTOR	1	
G3	K1KA03BA0047	3P CONNECTOR	1	
G51	K1KA30AA0009	30P CONNECTOR	1	
GK3	K1KA03BA0061	3P CONNECTOR	1	
GS52	K1KA12A00317	12P CONNECTOR	1	
H1	K1KY80A00011	80P CONNECTOR	1	
H2	K1KA11AA0105	1P CONNECTOR	1	
H40	K1KA20AA0009	20P CONNECTOR	1	
H51	K1KA30AA0009	30P CONNECTOR	1	
HC01	K1KA21A00011	21P CONNECTOR	1	
HC06	K1KA07BA0047	7P CONNECTOR	1	
HC15	K1KY40B00003	40P CONNECTOR	1	
HC21	K1KA10AA0194	10P CONNECTOR	1	
HC22	K1KA11AA0194	11P CONNECTOR	1	
IC101	FA5502P	CONTROL	1	⚠
IC401	AN1431T	LINEAR IC	1	
IC501	MIP3E30MP	CONTROL	1	
IC1101	TVRN840	IC	1	PAVCA
IC1102	TVRN846	IC	1	PAVCA
IC1103	MN103SC50RGL	IC	1	
IC1105, 06	C0JBAS000128	IC	2	
IC1108	C0EBF0000354	IC	1	
IC1110	C0CBCAD00016	IC	1	
IC1111	C0EBY0000041	IC	1	
IC2302	C1AB00002451	IC	1	
IC2304	C0ABBA000168	IC	1	
IC2306	C0ABBA000168	IC	1	
IC2601	C1AB00002123	IC	1	
IC2602	AN15862A-VT	IC	1	
IC2603	C1BB00001017	IC	1	
IC2604	C1BB00000969	IC	1	
IC2607	C0DBAJB00004	IC	1	
IC2608	C0ABBA000168	IC	1	
IC4013	C0CBCBF00009	IC	1	
IC4016	C0CBCAC00275	IC	1	
IC4018	C0CBCAC00275	IC	1	
IC4019	C1AB00002456	IC	1	
IC4022	TVRN856S	IC	1	PAVCA
IC4023	TVRN857S	IC	1	PAVCA
IC4025	C0FBBK000038	IC	1	
IC4026	C1AB00002535	IC	1	
IC4027	C0DBFFD00003	IC	1	
IC4028	C0ABBB000230	IC	1	
IC4029	C0CBCAC00282	IC	1	
IC4030	C0CBCBC00190	IC	1	
IC4032	C0DBGYY00052	IC	1	
IC4035	C0CBCAF00031	IC	1	
IC4036	C0JBAP000020	IC	1	
IC4037	MN84522-A	IC	1	
IC4038	C3ABQJ000048	IC	1	
IC5601	N0BG2DE00001	IC	1	
IC5602	EHMDD9851	LINEAR IC	1	
IC5604	C0DBZGC00067	IC	1	
IC5801	C0DBAZF00003	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	AN1431M	LINEAR IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561, 62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6610	NJM2903M	INTEGRATED CIRCUIT	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721, 22	C0JBAZ000994	IC	2	
IC6724, 25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773, 74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	
IC6801, 02	C0DBEMB00005	IC	2	
IC6803	C0DAAMH00005	IC	1	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-06	AN16071A-VT	IC	6	
IC6951-56	AN16071A-VT	IC	6	
IC7101	C0JBAZ001120	IC	1	
IC7201-09	C0JBAZ001120	IC	9	
IC7301-05	C0JBAZ001120	IC	5	
IC7401-05	C0JBAZ001120	IC	5	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC7501-09	C0JBAZ001120	IC	9	
IC7601	C0JBAZ001120	IC	1	
IC8009, 10	C3ABRG000061	IC	2	
IC8022	C0ZBZ0001052	IC	1	
IC8200	C0FBBK000038	IC	1	
IC8201	C0ABBB000190	IC	1	
IC8202	C0JBAS000245	IC	1	
IC8203, 04	C0JBAS000223	IC	2	
IC8205	C0ABBA000025	IC	1	
IC8206	C1AB00002471	IC	1	PAVCA
IC8211	MN884321B	IC	1	
IC8227	C0EBE0000336	IC	1	
IC8228	C0EBM0000027	IC	1	
IC8229	C3EBJC000055	IC	1	
IC8235	C0DBZFF00004	IC	1	
IC8240	MN2WS0025B-A	IC	1	
IC8244	C0FBAK000024	IC	1	
IC8246, 47	C0DBAYY00054	IC	2	
IC8254	TVRN838S	IC	1	PAVCA
IC9001	TVRN811	IC	1	
IC9002	C0ZBZ0001330	IC	1	
IC9003	TVRN805-1	IC	1	PAVCA
IC9007	TVRN814	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003186	IC	1	
IC9300	MN84521-A	IC	1	
IC9301	C3ABQJ000051	IC	1	
IC9304	TVRN825	IC	1	
IC9400	MN84521-A	IC	1	
IC9401	C3ABQJ000051	IC	1	
IC9402	C0JBAZ002614	IC	1	
IC9500	C1ZBZ0002599	IC	1	
IC9503-05	C0JBAZ001120	IC	3	
IC9602	PST9128NR	IC (LOGIC)	1	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZFG00066	IC	1	
IC9802, 03	C0JBAZ001120	IC	2	
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
JK2601	K1U939A00003	TERMINAL BOARD	1	PAVCA
JK2603	K2HA204A0041	JACK	1	
JK3701B	K4AK13B00001	TERMINAL BOARD	1	PAVCA
JK7701	K1NA09E00080	9P CONNECTOR	1	PAVCA
JS1100-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS2300-03	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS2319	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2606, 07	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS2614-17	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS2619	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2629, 30	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2632-34	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2640-42	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2645-47	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2650, 51	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2661-63	ERJ6GEY0R00	M 0 OHM, 1/10W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS2714-25	ERJ6GEY0R00	M 0 OHM, 1/10W	12	
JS2740-45	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
JS3702	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3704, 05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3707, 08	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS4016, 17	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4022-24	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS4027, 28	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4033-40	ERJ2GE0R00	M 0.0 OHM, J,0.063W	8	
JS4088	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS4104	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS4111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4118	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS5600	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS7701	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K1	K1KY12B00001	12P CONNECTOR	1	
K2	K1KA02BA0061	2P CONNECTOR	1	
K101	DG12D1-0	RELAY	1	⚠
K102	DLS12D1-0	RELAY	1	⚠
L101,02	P3180207Z	CHOKE COIL	2	⚠
L103	ETB44CZ129AD	TRANS	1	
L104	EXCELSR35T	BEAD CHOKE	1	
L106	EXCELSR35T	BEAD CHOKE	1	
L108	EXCELSR35T	BEAD CHOKE	1	
L352,53	EXCELDR35C	BEAD CHOKE	2	
L501	EXCELSA35	BEAD CHOKE	1	
L502	EXCELDR35C	BEAD CHOKE	1	
L1101-04	J0JHC0000078	CHIP INDUCTOR	4	
L1107	J0JHC0000078	CHIP INDUCTOR	1	
L1109	J0JHC0000078	CHIP INDUCTOR	1	
L2300-03	G0C330MA0049	PEAKING COIL	4	
L2308	TALL08N3R9MA	INDUCTION COIL	1	
L2616	J0JHC0000078	CHIP INDUCTOR	1	
L2625	J0JHC0000078	CHIP INDUCTOR	1	
L2632	G0A2R7ZA0021	CHOKE COIL	1	
L2633	G1C100MA0072	INDUCTION COIL	1	
L2634	G1C470MA0077	INDUCTION COIL	1	
L2636	J0JHC0000078	CHIP INDUCTOR	1	
L4023	J0JHC0000078	CHIP INDUCTOR	1	
L4029	J0JHC0000078	CHIP INDUCTOR	1	
L4031	J0JHC0000078	CHIP INDUCTOR	1	
L4038	J0JHC0000078	CHIP INDUCTOR	1	
L4040-46	J0JHC0000078	CHIP INDUCTOR	7	
L4048	J0JHC0000078	CHIP INDUCTOR	1	
L4049	J0JBC0000080	CHIP INDUCTOR	1	
L4050,51	J0JHC0000078	CHIP INDUCTOR	2	
L4052	J0JHC0000045	CHIP INDUCTOR	1	
L4053-55	J0JHC0000078	CHIP INDUCTOR	3	
L4056,57	J0JCC0000077	CHIP INDUCTOR	2	
L4060,61	J0JCC0000077	CHIP INDUCTOR	2	
L4065,66	J0JHC0000078	CHIP INDUCTOR	2	
L4068-70	J0JHC0000078	CHIP INDUCTOR	3	
L4071	J0JBC0000080	CHIP INDUCTOR	1	
L4073	J0JHC0000078	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L4075,76	J0JHC0000078	CHIP INDUCTOR	2	
L4077	J0JCC0000077	CHIP INDUCTOR	1	
L4078	J0JHC0000078	CHIP INDUCTOR	1	
L5602	TALL08N2R7MA	INDUCTION COIL	1	
L5604	TALL08N2R7MA	INDUCTION COIL	1	
L5606,07	G0A220GA0002	CHOKE COIL	2	
L5609	G0A220GA0002	CHOKE COIL	1	
L5612	TALL08N2R7MA	INDUCTION COIL	1	
L5615	TALL08N150KA	INDUCTION COIL	1	
L5621	G1C330MA0234	INDUCTION COIL	1	
L5622,23	G1C150MA0234	INDUCTION COIL	2	
L5624	G1C330MA0234	INDUCTION COIL	1	
L5651	G0A220GA0002	CHOKE COIL	1	
L5801	G0C101K00023	PEAKING COIL	1	
L5802	TALL08N101KA	INDUCTION COIL	1	
L6002-04	G0CR82KA0147	CHOKE COIL	3	
L6011-14	G0A1R4MA0003	CHOKE COIL	4	
L6061-68	G0ZZ00002183	PEAKING COIL	8	
L6081-88	G0ZZ00002183	PEAKING COIL	8	
L6101,02	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6104,05	J0JJC0000011	CHIP INDUCTOR	2	
L6211,12	J0JJC0000011	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271,72	G0ZZ00002183	PEAKING COIL	2	
L6398,99	J0JJC0000011	CHIP INDUCTOR	2	
L6401,02	G0CR82KA0147	CHOKE COIL	2	
L6404	G0CR82KA0147	CHOKE COIL	1	
L6411-14	G0A1R4MA0003	CHOKE COIL	4	
L6461-68	G0ZZ00002183	PEAKING COIL	8	
L6472,73	G0ZZ00002183	PEAKING COIL	2	
L6481-88	G0ZZ00002183	PEAKING COIL	8	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6801,02	J0JJC0000011	CHIP INDUCTOR	2	
L6841	J0JJC0000011	CHIP INDUCTOR	1	
L7721	J0JCC0000089	CHIP INDUCTOR	1	
L8096	J0JHC0000045	CHIP INDUCTOR	1	
L8141-43	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
L8200-03	J0JHC0000045	CHIP INDUCTOR	4	
L8209	J0JHC0000045	CHIP INDUCTOR	1	
L8211	ELJNA1R0JFB	INDUCTION COIL	1	
L8221	J0JHC0000045	CHIP INDUCTOR	1	
L8223-25	J0JHC0000045	CHIP INDUCTOR	3	
L8239	J0JCC0000241	CHIP INDUCTOR	1	
L8241	J0JHC0000045	CHIP INDUCTOR	1	
L8242	J0JCC0000078	CHIP INDUCTOR	1	
L8243	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L8244	J0JHC0000045	CHIP INDUCTOR	1	
L8250	J0JHC0000045	CHIP INDUCTOR	1	
L8253-56	TSK1032	BEAD CHOKE	4	
L8258	J0JHC0000045	CHIP INDUCTOR	1	
L8264-68	J0JHC0000045	CHIP INDUCTOR	5	
L8283-85	J0JHC0000045	CHIP INDUCTOR	3	
L8288,89	J0JHC0000045	CHIP INDUCTOR	2	
L8290	G1C3R3ZA0083	INDUCTION COIL	1	
L8291	G1C100MA0077	INDUCTION COIL	1	
L8292	G1C1R5ZA0083	INDUCTION COIL	1	
L8293	G1C100MA0077	INDUCTION COIL	1	
L8294	J0JHC0000034	CHIP INDUCTOR	1	
L8297	J0JHC0000045	CHIP INDUCTOR	1	
L8298,99	TSK1032	BEAD CHOKE	2	
L8303,04	G1CR22JA0020	INDUCTION COIL	2	PAVCA
L8305	G1CR39JA0020	INDUCTION COIL	1	PAVCA
L8306	J0JHC0000045	CHIP INDUCTOR	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9503	G1C150KA0038	INDUCTION COIL	1	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801,02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
MC101	MP00P7	MODULE	1	⚠
MC201	MLZNC101	MODULE	1	⚠
MC202	MP00R1	MODULE	1	⚠
MC301	MLZNC221	MODULE	1	⚠
MC502	MLWNB103	MODULE	1	⚠
MC601	MLSZA100	MODULE	1	⚠
MC701	MLZDC103	MODULE	1	⚠
P2	B2P3-VH-B	CONNECTOR	1	
P5	B11B-PH-KS	CONNECTOR	1	
P9	B3P4VH-B-L	CONNECTOR	1	
P10	B6B-PH-KS	CONNECTOR	1	
P11	B2P3-VH-B	CONNECTOR	1	
P12	B10B-PH-KS	CONNECTOR	1	
P23	B3B-PH-KS	CONNECTOR	1	
P25	B20B-PHDSS	CONNECTOR	1	
PA2	K1KA05AA0192	5P CONNECTOR	1	
PA5	K1KA11AA0194	11P CONNECTOR	1	
PA10	K1KA06A00452	6P CONNECTOR	1	
PA20	K1MN40A00024	40P CONNECTOR	1	
PA31-34	K1KA03AA0192	3P CONNECTOR	4	
PA40	K1KA20AA0009	20P CONNECTOR	1	
PA1101	K5H8012A0023	FUSE	1	PAVCA
PA9800	K5H4022A0023	FUSE	1	
PC503	PS2581A	PHOTO CAPLER	1	⚠
PC505,06	PS2581A	PHOTO CAPLER	2	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000233	IC	3	
PC6704	B3PBA0000234	IC	1	
PC6705	B3PBA0000233	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q103	2SD2185	TRANSISTOR	1	
Q104	2SB1440	TRANSISTOR	1	
Q106	2SD1819A	TRANSISTOR	1	
Q301,02	2SK3568	FET	2	
Q351,52	2SK3813	FET	2	
Q353,54	2SB1218A	TRANSISTOR	2	
Q401	2SA1699	TRANSISTOR	1	
Q402	2SK3302	FET	1	
Q403	2SD601A	TRANSISTOR	1	
Q404,05	2SK2391	FET	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q406	2SD601A	TRANSISTOR	1	
Q501	2SK3302	FET	1	⚠
Q502	2SK2731T	FET	1	
Q551,52	HAT1130R	FET	2	
Q553	2SB710A	TRANSISTOR	1	
Q1100-03	2SC584500L	TRANSISTOR	4	
Q1106-08	2SC584500L	TRANSISTOR	3	
Q1109,10	B1CBHD000002	FET	2	
Q1111	2SC584500L	TRANSISTOR	1	
Q1114	2SC584500L	TRANSISTOR	1	
Q1116	2SC584500L	TRANSISTOR	1	
Q1125	2SA207700L	TRANSISTOR	1	
Q1130	2SC584500L	TRANSISTOR	1	
Q1134	2SC584500L	TRANSISTOR	1	
Q1137	2SC584500L	TRANSISTOR	1	
Q1139-43	2SC584500L	TRANSISTOR	5	
Q2300	2SA207700L	TRANSISTOR	1	
Q2301-03	2SD601A	TRANSISTOR	3	
Q2306,07	2SA207700L	TRANSISTOR	2	
Q2510,11	2SD601A	TRANSISTOR	2	
Q2607	2SC584500L	TRANSISTOR	1	
Q2608,09	2SD601A	TRANSISTOR	2	
Q2611	2SD601A	TRANSISTOR	1	
Q2612	2SB709A	TRANSISTOR	1	
Q2613	2SC584500L	TRANSISTOR	1	
Q2615	2SC584500L	TRANSISTOR	1	
Q2617	2SC584500L	TRANSISTOR	1	
Q2618,19	2SD601A	TRANSISTOR	2	
Q2624	2SC584500L	TRANSISTOR	1	
Q2625	2SK3065T100	FET	1	
Q2626	2SA207700L	TRANSISTOR	1	
Q4050	2SC584500L	TRANSISTOR	1	
Q4056-59	2SA207700L	TRANSISTOR	4	
Q4065-69	2SC584500L	TRANSISTOR	5	
Q4070,71	B1MBACA00008	TRANSISTOR	2	
Q4082,83	2SK137400L	TRANSISTOR	2	
Q4084	B1ABCF000138	TRANSISTOR	1	
Q4919	2SC584500L	TRANSISTOR	1	
Q4920	2SA207700L	TRANSISTOR	1	
Q5601	B1DHDC000028	TRANSISTOR	1	
Q5602	2SD601A	TRANSISTOR	1	
Q5603	B1DHDC000028	TRANSISTOR	1	
Q5604,05	2SD601A	TRANSISTOR	2	
Q5610	2SD601A	TRANSISTOR	1	
Q5613	2SD601A	TRANSISTOR	1	
Q5641-43	2SA207700L	TRANSISTOR	3	
Q5644	2SD601A	TRANSISTOR	1	
Q6001-03	B1JADN000001	TRANSISTOR	3	
Q6021-23	B1JADN000001	TRANSISTOR	3	
Q6041-43	B1JADN000002	TRANSISTOR	3	
Q6052,53	B1JADN000002	TRANSISTOR	2	
Q6101,02	B1DFKM000002	TRANSISTOR	2	
Q6103	B1ABNF000006	TRANSISTOR	1	
Q6104	B1ADNF000006	TRANSISTOR	1	
Q6105,06	B1DFKM000002	TRANSISTOR	2	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6114	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	
Q6142	B1ADNF000006	TRANSISTOR	1	
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6171	2SD2185	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	2SD2185	TRANSISTOR	1	
Q6182	B1ADRD000001	TRANSISTOR	1	
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC3063	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	B1JADN000001	TRANSISTOR	3	
Q6421-23	B1JAEP000001	TRANSISTOR	3	
Q6441-43	B1JADN000002	TRANSISTOR	3	
Q6452,53	B1JADP000002	TRANSISTOR	2	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6531	2SD2185	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	2SD2185	TRANSISTOR	1	
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DEDS000001	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621,22	B1DFKM000001	TRANSISTOR	2	
Q6641-45	B1DFKM000001	TRANSISTOR	5	
Q6647,48	B1DFKM000001	TRANSISTOR	2	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671-73	B1DEDS000001	TRANSISTOR	3	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681,82	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742,43	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6781	B1ABNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q8209-11	B1ADDF000005	TRANSISTOR	3	
Q8217-20	B1ABCF000138	TRANSISTOR	4	
Q8227,28	B1ADDF000005	TRANSISTOR	2	
Q8229,30	B1MBDDA00003	TRANSISTOR	2	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	
Q9049	2SB709A	TRANSISTOR	1	
Q9050-54	2SD601A	TRANSISTOR	5	
Q9057,58	B1CBHD000002	FET	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q9100	2SD601A	TRANSISTOR	1	
Q9200,01	B1CBHD000002	FET	2	
Q9301,02	2SD601A	TRANSISTOR	2	
Q9400-02	2SD601A	TRANSISTOR	3	
Q9800,01	B1MBEDA00015	TRANSISTOR	2	
Q9803	B1MBEDA00015	TRANSISTOR	1	
Q9805,06	2SD601A	TRANSISTOR	2	
R101	ERC12UGK185	S 1.8MOHM, K,1/2W	1	
R103	R5B100J	W 10 OHM, J, 5W	1	
R104-06	ERJ6ENF1213	M 121KOHM, 1/10W	3	
R107	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R108	ERJ6ENF1213	M 121KOHM, 1/10W	1	
R109-11	RF5EJR18B	F 0.18OHM, J, 5W	3	
R113	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R114	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R115	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R116	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R117	ERJ12YJ330	M 33 OHM,J, 1/2W	1	
R118	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R119	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R120	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R122	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R123	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R125	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R127-29	ERJ6GEYJ183	M 18KOHM,J,1/10W	3	
R130	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R131	ER0S2CKF4993	M 499KOHM, F,1/4W	1	
R132,33	ERJ6ENF2493	M 249KOHM, 1/10W	2	
R134	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R135	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R136	ERJ6ENF3162	M31.6KOHM, 1/10W	1	
R137	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R138	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R139	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R140-42	ERJ6ENF5493	M 549KOHM, 1/10W	3	
R143	ERJ6ENF6041	M6.04KOHM, 1/10W	1	
R144	ERJ6ENF6191	M6.19KOHM, 1/10W	1	
R145	ERJ6GEYJ204	M 200KOHM,J,1/10W	1	
R146	ERJ6GEYJ684	M 680KOHM,J,1/10W	1	
R147	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R149	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R150,51	ERJ6ENF2493	M 249KOHM, 1/10W	2	
R201,02	ERJ12YJ221U	M 220 OHM,J, 1/2W	2	
R203,04	ERJ12YJ220	M 22 OHM,J, 1/2W	2	
R205-07	ERJ12YJ683	M 68KOHM, 1/2W	3	
R208,09	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R210	ERX12SJ1R0	M 0.1 OHM, J,1/2W	1	
R251,52	ERG2SJ183H	M 18KOHM, J, 2W	2	
R253-55	ERJ6GEYJ114	M 110KOHM,J,1/10W	3	
R256,57	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	2	
R258-61	ERJ6ENF6192	M61.9KOHM, 1/10W	4	
R262	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R301,02	ERJ12YJ101	M 100 OHM,J, 1/2W	2	
R303,04	ERJ12YJ220	M 22 OHM,J, 1/2W	2	
R305-07	ERJ12YJ683	M 68KOHM,J, 1/2W	3	
R308,09	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R310	ERX12SJ1R0	M 0.1 OHM, J,1/2W	1	
R351	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R353	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R354	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R356,57	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R358	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R359,60	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R361	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R362	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R363	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R364	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R365-67	ERJ6GEYJ223	M 22KOHM,J,1/10W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R368	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R369,70	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R371	ERJ6ENF1622	M16.2KOHM, 1/10W	1	
R372	ERJ6GEYJ1R0	M 1 OHM,J,1/10W	1	
R373	ERDS2TJ471	C 470 OHM, J,1/4W	1	
R401	ERJ12YJ100	M 10 OHM,J, 1/2W	1	
R402,03	ERJ12YJ104U	M 100KOHM, 1/2W	2	
R404	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R405,06	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R407	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R408	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R409	ERG2SJ682	M 6.8KOHM, J, 2W	1	
R410	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R412	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R413	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R414-17	ERJ6GEYJ123	M 12KOHM,J,1/10W	4	
R418	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R420	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R421	ERJ6ENF4751	M4.75KOHM, 1/10W	1	
R422	ERJ6ENF1581	M1.58KOHM, 1/10W	1	
R423,24	ERJ6ENF7152	M71.5KOHM, 1/10W	2	
R425	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R426	RF2EJR47B	W0.47 OHM, J, 2W	1	
R428	ERJ6ENF6342	M6.34KOHM, 1/10W	1	
R429	ERJ6ENF5362	M5.36KOHM, 1/10W	1	
R430	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R474	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R477-80	ERJ6ENF1052	M10.5KOHM, 1/10W	4	
R501	ERJ12YJ474	M 470KOHM, 1/2W	1	
R503	ERJ12YJ474	M 470KOHM, 1/2W	1	
R505	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R507,08	ERJ6GEYJ334	M 330KOHM,J,1/10W	2	
R509-12	ERJ6ENF8253	M 825KOHM, 1/10W	4	
R514,15	ERJ6ENF8253	M 825KOHM, 1/10W	2	
R518	ERJ12YJ100	M 10 OHM,J, 1/2W	1	
R519	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R528,29	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R530	ER0S2TKF5363	M 536KOHM, F,1/4W	1	
R531	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R560	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R561	ERDS2TJ332	C 3.3KOHM, J,1/4W	1	
R563	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R564	ERJ6GEYJ391	M 390 OHM,J,1/10W	1	
R565	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R566	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R567	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R568	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R569,70	ERJ12YJ151	M 150 OHM,J, 1/2W	2	
R571	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R572,73	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R574	ER0S2TKF5363	M 536KOHM, F,1/4W	1	
R580	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1101	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1102,03	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1105	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1113	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1116	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1121,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1123	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1124,25	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1129,30	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1131,32	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1133,34	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1135	ERJ2GEJ103	M 10KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1137	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1145	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1147,48	D1HG5608A002	NETWORK RESISTER	2	
R1150	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1153	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1154,55	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R1156	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1157	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1158	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1159	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1161	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1164	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1165	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1166,67	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1168	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1171	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1174	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1175	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	
R1176	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1177	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1183	EXB28V680JX	RESISTOR ARRAY	1	
R1184	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1187	EXB2HV680J	RESISTOR ARRAY	1	
R1188	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1189,90	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1197-99	ERJ2GEJ473	M 47KOHM,J,0.063W	3	
R1200	EXB2HV680J	RESISTOR ARRAY	1	
R1203	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1206	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1207	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1214	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1215-17	ERJ2GEJ101	M 100 OHM, J,0.063W	3	
R1218	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1220	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1221	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1222	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R1223	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1224	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1225,26	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1228	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1229	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1230	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1231	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1232,33	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1234	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1235,36	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1238	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1239	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R1241	ERJ2GEJ822	M 8.2KOHM, J,0.063W	1	
R1246	ERJ2GEJ912	M 9.1KOHM, J,0.063W	1	
R1249	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1250	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1251,52	EXB2HV101J	RESISTOR ARRAY	2	
R1256	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1259	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1263,64	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1268,69	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1270,71	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1275	ERJ3EKF7151	M7.15KOHM, 1/16W	1	
R1279,80	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1281	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1282	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1283	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1290	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1292,93	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1296,97	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1303-06	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R1307	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1308	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1309-12	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R1313,14	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1315	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1316	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1318,19	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1321	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1322	ERJ2GEJ100	M 10 OHM, J,0.063W	1	
R1324	ERJ2GEJ823	M 82KOHM, J,0.063W	1	
R1326	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1328	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1330	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1332	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1333	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1338	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1342	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1343	ERJ2GEJ561	M 60 OHM, J,0.063W	1	
R1346	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1351	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1352	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1354	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1356,57	ERJ2GEJ100	M 10 OHM, J,0.063W	2	
R1363	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1367	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1368	ERJ2GEJ183	M 18KOHM ,J,0.063W	1	
R1372	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1375	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1376	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1377	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1384	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1386	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1387	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1388	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1390	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	
R1400	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1405,06	ERJ2GEJ474	M 470KOHM, J,0.063W	2	
R1408	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1409	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1410	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1411	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1412,13	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1426-33	ERJ8GEY0R00	M 0 OHM, 1/8W	8	
R1434	ERJ2GEJ471	M 470 OHM, J,0.063W	1	
R1436	ERJ2GEJ561	M 60 OHM, J,0.063W	1	
R1438	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1440	ERJ2GEJ241	M 240 OHM, J,0.063W	1	
R1446	ERJ2GEJ471	M 470 OHM, J,0.063W	1	
R1449	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1453	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1454	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1458,59	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1464	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1466	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1467	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1470	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1472	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R1474	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1478	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1479	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1524	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1526	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1527	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1528	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1530	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R2310,11	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2312	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2323,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2325	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2329	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2332	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2341	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2349	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2357	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2359	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2360	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2361	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2363	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2364	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2365	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2368	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2369	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2372,73	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2375	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2376	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2383	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	
R2384	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2387	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2388	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	
R2397,98	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R2401,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2403	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2404,05	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2406	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2407	ERJ3EKF1241	M1.24KOHM, 1/16W	1	
R2408	ERJ3EKF1181	M1.18KOHM, 1/16W	1	
R2409	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R2410	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2421	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R2422	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2516	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2517	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2520	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R2524	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2525	ERJ3EKF8200	M 820 OHM, 1/16W	1	
R2542	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2557	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2603	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2604	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2605	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2606	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2607	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2608	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2609	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2610	ERJ3GEYJ184	M 180KOHM,J,1/16W	1	
R2611,12	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R2625	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2640,41	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R2642	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2643	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2644	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2650	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R2651	ERJ3EKF1201	M 1.2KOHM, 1/16W	1	
R2654	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2655	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R2656	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2657	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R2658	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R2659	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R2660	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2671	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2672	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R2673	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R2674	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2676	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R2677	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2678	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R2679	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2680,81	ERJ3GEYJ184	M 180KOHM,J,1/16W	2	
R2682	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2684	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R2685	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2686	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2687	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2690	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R2692	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2693	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2694	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2695	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2696	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R2697	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2698	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R2700	ERJ3GEYJ274	M 270KOHM,J,1/16W	1	
R2701-03	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R2704-07	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R2708	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2709	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2711-13	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R2714	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2718	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2719	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2720	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2724	ERJ14YJ821	M 820 OHM,J,1/16W	1	
R2726,27	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2728	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2729-31	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R2732	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2733,34	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2735	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2736	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2737	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2738	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2741	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2744	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2747,48	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R2749	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R2750	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2751	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2753	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2754	ERJ3EKF1201	M 1.2KOHM, 1/16W	1	
R2755	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2756	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2757	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2758	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2759	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2760,61	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2762,63	ERJ3EKF1300V	M 130 OHM, 1/16W	2	
R2764	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R2767	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2769,70	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2771	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2772	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2773	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2775	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2776	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R2777-79	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R2781	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R2783	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2785	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2786	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R2787	ERJ3EKF1622V	M16.2KOHM, 1/16W	1	PAVCA
R2790	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R2791	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2792	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R2793-95	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R2797-00	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R2801,02	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2803	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2804	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2807,08	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2817,18	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2820-25	ERJ3GEYJ221	M 220 OHM,J,1/16W	6	
R2830	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R2832,33	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2834	ERJ3EKF6342	M6.34KOHM, 1/16W	1	
R2835	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2837	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2838	ERJ3EKF6342	M6.34KOHM, 1/16W	1	
R2839	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2840	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2842	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2843	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2848-51	ERJ6GEYJ393	M 39KOHM,J,1/10W	4	
R2854	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R2855	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R2856	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2858	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2859	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R2860,61	ERJ6GEYJ393	M 39KOHM,J,1/10W	2	
R2862	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2864	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R2865	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R2868,69	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R2894	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3709-13	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R3716,17	ERJ6GEYJ393	M 39KOHM,J,1/10W	2	
R3721	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3732	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3752	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R3753	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R3754	ERJ6ENF2321	M2.32KOHM, 1/10W	1	
R3756	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3758	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R3759-64	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
R3766,67	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R4001	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4004	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4008	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4010	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4017	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4021	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4024,25	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4026,27	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R4031-33	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R4037-39	D1HG1038A002	NETWORK RESISTER	3	
R4040,41	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4042,43	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4044	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4045,46	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4047	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4101	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4257	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R4265	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R4269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4271,72	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4286,87	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4293	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4338-43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	6	
R4465	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R4469	ERJ3EKF1500	M 150 OHM, 1/16W	1	
R4474	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4480	ERJ3EKF4220	M 422 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4481	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4482,83	ERJ3EKF1781	M1.78KOHM, 1/16W	2	
R4487	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R4488	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4495	ERJ3EKF4302	M 43KOHM, 1/16W	1	
R4496-99	ERJ6GEYJ102	M 1KOHM,J,1/10W	4	
R4500	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R4501,02	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R4503	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4507-13	ERJ2GE0R00	M 0.0 OHM, J,0.063W	7	
R4517	ERJ3EKF1371	M 13.7 OHM, 1/16W	1	
R4520	ERJ3EKF1691	M1.69KOHM, 1/16W	1	
R4521,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4527	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4533	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4540	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4542	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4544	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4550	EXB28V220J	RESISTOR ARRAY	1	
R4552	EXB28V220J	RESISTOR ARRAY	1	
R4554	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4555	EXB28V220J	RESISTOR ARRAY	1	
R4560,61	EXB28V220J	RESISTOR ARRAY	2	
R4563-65	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R4568	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4583,84	ERJ2GEJ390	M 39 OHM, J,0.063W	2	
R4589-04	ERJ2GEJ2R2X	M 2.2OHM, J,0.063W	16	
R4605,06	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4607	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4609,10	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4612,13	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4617,18	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4619	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4620	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4621	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4622	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4624	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4626	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4628	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4629-32	ERJ2GEJ472	M 4.7KOHM, J,0.063W	4	
R4633,34	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4636	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4637	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4639	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4640	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4641	EXB28V330J	RESISTOR ARRAY	1	
R4642-45	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4647	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4648	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4655	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4657	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R4658	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4661	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4662	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4665	EXB2HV220JV	RESISTOR ARRAY	1	
R4667	EXB2HV220JV	RESISTOR ARRAY	1	
R4668	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4669	EXB2HV220JV	RESISTOR ARRAY	1	
R4672,73	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4675	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4677	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4679,80	ERJ3EKF2202	M 22KOHM, 1/16W	2	
R4681,82	ERJ3EKF3302	M 33KOHM, 1/16W	2	
R4701	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4704,05	ERJ2GEJ221	M 220 OHM, J,0.063W	2	
R4706	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4708,09	ERJ2GEJ151	M 150 OHM, J,0.063W	2	
R4710	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4711	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4712	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4713,14	EXB2HV221JV	RESISTOR ARRAY	2	
R4715	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4718-20	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4727	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4729,30	ERJ3EKF1000	M 100 OHM, 1/16W	2	
R4731	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R4732	ERJ3EKF4751	M4.75KOHM, 1/16W	1	
R4733	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R4734	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4735	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R4737	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4738,39	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4743-47	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4749,50	EXB2HV680J	RESISTOR ARRAY	2	
R4751-54	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4756-60	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4762	EXB2HV680J	RESISTOR ARRAY	1	
R4763-65	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
R4772	EXB2HV470JV	RESISTOR ARRAY	1	
R4773	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4774	EXB2HV470JV	RESISTOR ARRAY	1	
R4775	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4776	EXB2HV470JV	RESISTOR ARRAY	1	
R4777	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4778	EXB2HV470JV	RESISTOR ARRAY	1	
R4779	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4782	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4783	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4784	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4785	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4788	EXB2HV470JV	RESISTOR ARRAY	1	
R4791,92	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R4793,94	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4796	EXB2HV470JV	RESISTOR ARRAY	1	
R4804	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4805,06	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R4807-11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	5	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4814	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4816,17	ERJ2GEJ223	M 22KOHM, J,0.063W	2	
R4819	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4822	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4823-25	EXB38VR000	RESISTOR ARRAY	3	
R4826,27	EXB2HVR000	RESISTOR ARRAY	2	
R4830,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4832	ERJ2GEJ820	M 82 OHM, J,0.063W	1	
R4833	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4835	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4837	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4838	ERJ2GEJ112	M 1.1KOHM, J,0.063W	1	
R4841	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4846,47	ERJ2GEJ820	M 82 OHM, J,0.063W	2	
R4898	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4900,01	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R4903	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4904	ERJ2GEJ682	M 6.8KOHM, J,0.063W	1	
R4905	ERJ2GEJ152	M 1.5KOHM, J,0.063W	1	
R5601	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R5603	ERJ3EKF1542	M15.4KOHM, 1/16W	1	
R5605	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5606	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5607	ERJ3EKF4531	M4.53KOHM, 1/16W	1	
R5609	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R5615	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5617	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5619	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5620	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5621	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5625-27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R5632	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5633	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5634	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5635	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5637,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5639	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5640	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5641	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5642	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5643	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5644	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5645	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R5646	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R5647	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5648	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R5649	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R5650	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5652	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5653,54	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5659	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R5660	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5662	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5664	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5665	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5667-69	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R5672	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5676	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5692	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5693	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5694	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5695	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5801	ERJ3EKF8450	M 845 OHM, 1/16W	1	
R5802	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R5803	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R5804	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5805-08	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R5809	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5822-24	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R5826	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R5836	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R6001-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6020	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6021	ERJ14YJ150U	M 15 OHM, J,1/4W	1	
R6022	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6023-27	ERJ14YJ150U	M 15 OHM, J,1/4W	5	
R6031,32	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041-46	ERJ14YJ100	M 10 OHM, J,1/4W	6	
R6053-56	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6061,62	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6102	D0GD101JA036	M 10 OHM,J,0.25W	1	PAVCA
R6104	D0GD101JA036	M 10 OHM,J,0.25W	1	PAVCA
R6106	D0GD101JA036	M 10 OHM,J,0.25W	1	PAVCA
R6108	D0GD101JA036	M 10 OHM,J,0.25W	1	PAVCA
R6109	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6110	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6111,12	D0GD470JA036	M 47 OHM,J,0.25W	2	PAVCA
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6114	D0GD470JA036	M 47 OHM,J,0.25W	1	PAVCA
R6116	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6131,32	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6133,34	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6135,36	D0GD100JA036	M 10 OHM,J,0.25W	2	PAVCA
R6141,42	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6146,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6153,54	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6155,56	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6157-60	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	4	
R6171	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6172,73	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6181	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6182,83	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6191-94	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6195	D0GD104JA036	M 100KOHM,J,0.25W	1	PAVCA
R6196	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6213	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6214	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6220	ERDS2TC0	C 0 OHM, 1/4W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	D0GD203JA036	M 20KOHM,J,0.25W	1	PAVCA
R6226,27	ERJ6GEYJ163	M 16KOHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6228	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6229	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R6230	ERDS2TC0	C 0 OHM, 1/4W	1	
R6231	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	EXB38V470J	RESISTOR ARRAY	1	
R6244	EXB38V472J	RESISTOR ARRAY	1	
R6251	D0GD103JA036	M 10KOHM,J,0.25W	1	PAVCA
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6255	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6256	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6257	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6441-46	ERJ14YJ100	M 10 OHM, J,1/4W	6	
R6453-56	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R6474	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6477	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6503	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6504,05	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6506	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6507-09	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	3	
R6511,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6516,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6523,24	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6525,26	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6531	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6532,33	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6551	D0GD100JA036	M 10 OHM,J,0.25W	1	PAVCA
R6552,53	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	D0GD103JA036	M 10KOHM,J,0.25W	1	PAVCA
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6585	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6586	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6587	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6604	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6606	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6607	ERJ6ENF5361	M5.36KOHM, 1/10W	1	
R6608,09	D0GF102JA047	M 1.0 KOHM,J,0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6614,15	D0GF243JA047	M 24 KOHM,J,0.33W	2	PAVCA
R6616	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R6617	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6618	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R6619	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6621,22	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6641-45	ERJ6GEYJ100	M 10 OHM,J,1/10W	5	
R6647,48	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM,J,0.33W	1	
R6665	ERJ14YJ470	M 47 OHM,J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6673-75	D0GD5R6JA059	M 5.6 OHM,J,0.25W	3	
R6682	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6683	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6687	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6696,97	D0D32R2JA020	M 2.2 OHM,J,5W	2	
R6700-08	ERJ6GEYJ471	M 470 OHM,J,1/10W	9	
R6710-18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6721,22	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6724	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6746,47	D0GD103JA036	M 10KOHM,J,0.25W	2	PAVCA
R6755	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6756-58	D0GD101JA059	M 100 OHM,J,0.25W	3	
R6759	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6775,76	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6777	D0GD151JA036	M 150 OHM,J,0.25W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6781	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6791	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6801	ERX3FJS8R2D	M 8.2 OHM, J, 3W	1	
R6802	ERG2FJS683D	M 68KOHM, J, 2W	1	
R6803	ERG2FJS563D	M 56KOHM, J, 2W	1	
R6806,07	ERX12SJ1R2	M 1.2 OHM, J,1/2W	2	
R6808	D0GD272JA059	M 2.7KOHM,J,1/10W	1	PAVCA
R6809	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYJ433	M 43KOHM,J,1/10W	2	
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6816	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6817	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R6819	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R6820	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6821	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6825,26	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R6827	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6828	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R6829,30	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6831	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R6832	ERDS1FJ4R7	C 4.7 OHM, J,1/2W	1	
R6833-36	ERJ6ENF5602	M 56KOHM, 1/10W	4	
R6837	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ14YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM,J,1/10W	1	
R6844	D0D2101JA021	M 100 OHM,J,2W	1	
R6845	ERJ6GEYJ623	M 62KOHM,J,1/10W	1	
R6846,47	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R6848	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6849,50	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6858	D0GD102JA059	M 1KOHM,J,1/10W	1	PAVCA
R6860	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862,63	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865,66	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R6867	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6869	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6886-88	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6891	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R6905	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6909	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6913	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6917	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6924	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6931-34	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6951	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6955	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6959	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6963	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6967	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6971	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6972-74	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R6981-84	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R7103-06	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7108	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7110	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7113-16	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7120	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7123-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7128	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7131	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7132	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7133	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7134	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7135	EXB38V471J	RESISTOR ARRAY	1	
R7136-39	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7140-42	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7201	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R7203-05	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	3	
R7207	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7209,10	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7211-13	EXB38V471J	RESISTOR ARRAY	3	
R7215,16	EXB38V470J	RESISTOR ARRAY	2	
R7221-25	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	5	
R7228,29	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7234,35	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	2	
R7238,39	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	2	
R7240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7241-44	EXB38V471J	RESISTOR ARRAY	4	
R7245	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7246-49	EXB38V471J	RESISTOR ARRAY	4	
R7250-53	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7254	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7256	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7257-60	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7261-63	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7264-71	EXB38V470J	RESISTOR ARRAY	8	
R7274-79	EXB38V471J	RESISTOR ARRAY	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7280-85	EXB38V470J	RESISTOR ARRAY	6	
R7301-08	EXB38V470J	RESISTOR ARRAY	8	
R7309	EXB38V471J	RESISTOR ARRAY	1	
R7326-29	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7330,31	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7332	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7333,34	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7335,36	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7337-44	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	8	
R7345-48	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7349-56	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	8	
R7357,58	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7359	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7360	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7361	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7362-69	EXB38V471J	RESISTOR ARRAY	8	
R7403-06	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7408	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7410	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7413-16	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7418	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7420	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7423-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7428	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7430	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7433-36	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7438	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7440	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7441-44	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7445	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7446-49	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R7450-57	EXB38V470J	RESISTOR ARRAY	8	
R7459	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7460	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7461	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7462-70	EXB38V681J	RESISTOR ARRAY	9	
R7501,02	EXB38V681J	RESISTOR ARRAY	2	
R7503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7504,05	EXB38V470J	RESISTOR ARRAY	2	
R7510-13	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7514	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7515	EXB38V681J	RESISTOR ARRAY	1	
R7516-19	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7520	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7521-24	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7525	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7526-33	EXB38V681J	RESISTOR ARRAY	8	
R7535	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R7536	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R7537	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7538	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7541-43	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7544-46	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7547-54	EXB38V470J	RESISTOR ARRAY	8	
R7555	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7556-59	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7560	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7575	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R7577	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7580-85	EXB38V681J	RESISTOR ARRAY	6	
R7586-91	EXB38V470J	RESISTOR ARRAY	6	
R7603-06	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7608	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7610	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7613-16	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7618	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7620	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7623-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7628	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7630	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7631	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R7632	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7633	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7634	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7635-38	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7639-41	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7642	EXB38V681J	RESISTOR ARRAY	1	
R7701	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R7702	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7703-05	ERJ3GEYJ121	M 120 OHM,J,1/16W	3	
R7706	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7708	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7709	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7710	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7713	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7716	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7731	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R7792-99	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
R8137	ERJ2GEJ121	M 120 OHM, J,0.063W	1	
R8140,41	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R8144-47	D1HG5608A002	NETWORK RESISTER	4	
R8148,49	D1HG3908A002	NETWORK RESISTER	2	
R8150-62	ERJ2GEJ390	M 39 OHM, J,0.063W	13	
R8163-66	ERJ2GEJ560	M 56 OHM, J,0.063W	4	
R8200-03	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	
R8206	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8207	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R8208	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8209	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R8210	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8211	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8216	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8217	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R8218	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8219	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R8220	ERJ2GEJ102	M 1KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8228	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8270	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R8272	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8273,74	ERJ3GEYJ510	M 51 OHM,J,1/16W	2	
R8277	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R8282	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R8285	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	
R8287	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	
R8288	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8289,90	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8291	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8293	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8297	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R8300	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	
R8301	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8303	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	
R8304,05	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8310,11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8312	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8313	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8314,15	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R8316-18	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
R8322-25	ERJ2GEJ101	M 100 OHM, J,0.063W	4	
R8333-36	ERJ2GEJ101	M 100 OHM, J,0.063W	4	
R8338	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8342	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R8343	ERJ2GEJ181	M 180 OHM, J,0.063W	1	
R8344,45	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8347	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R8349	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R8351	ERJ2GEJ392	M 3.9KOHM, J,0.063W	1	
R8354	ERJ2GEJ392	M 3.9KOHM, J,0.063W	1	
R8355	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8366-69	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	
R8380	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8417,18	D1HG1218A002	NETWORK RESISTER	2	
R8421	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8424	ERJ3EKF2742	M27.4KOHM, 1/16W	1	
R8425	ERJ3EKF9311	M9.31KOHM, 1/16W	1	
R8426-28	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R8431	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8433	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8435	ERJ3EKF6191	M6.19KOHM, 1/16W	1	
R8436	ERJ3EKF4642	M46.4KOHM, 1/16W	1	
R8440	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8455	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8458	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8460	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8461	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8462,63	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R8464,65	EXB2HV104JV	RESISTOR ARRAY	2	
R8468	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8470	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8471	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8476	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R8478	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8481	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8488	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8489	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8490	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8491-94	ERJ2GEJ101	M 100 OHM, J,0.063W	4	
R8495	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R8496	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8497-99	ERJ3GEYJ560	M 56 OHM,J,1/16W	3	
R8501	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8503	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R8504-06	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R8507-09	ERJ3EKF1002	M 10KOHM, 1/16W	3	
R8510	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8511	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R8512-18	ERJ2GEJ103	M 10KOHM, J,0.063W	7	
R8519	ERJ2GEJ392	M 3.9KOHM, J,0.063W	1	
R8524	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R8525,26	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8527	ERJ2GEJ392	M 3.9KOHM, J,0.063W	1	
R8528	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8529,30	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8531	EXB38V560J	RESISTOR ARRAY	1	
R8532-35	ERJ2GEJ560	M 56 OHM, J,0.063W	4	
R8536	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8537	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8538	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8539	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8540	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8541-47	ERJ2GEJ560	M 56 OHM, J,0.063W	7	
R8548	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8550,51	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8552	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8553	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8557	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8558	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8559	EXB38V560J	RESISTOR ARRAY	1	
R8560	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8561	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8562	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8564,65	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8566	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8567	ERJ2GEJ560	M 56 OHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8568	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8570-73	ERJ2GEJ560	M 56 OHM, J,0.063W	4	
R8574	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8576-78	ERJ2GEJ330	M 33 OHM, J,0.063W	3	
R8582-89	ERJ2GEJ330	M 33 OHM, J,0.063W	8	
R8591-95	ERJ2GEJ330	M 33 OHM, J,0.063W	5	
R8596,97	D1HG33080001	NETWORK RESISTER	2	
R8598-00	D1HG5608A002	NETWORK RESISTER	3	
R8601	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8602	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8605-08	ERJ2GEJ103	M 10KOHM, J,0.063W	4	
R8610-15	ERJ2GEJ103	M 10KOHM, J,0.063W	6	
R8629	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8630	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8631	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R8632-37	ERJ2GEJ560	M 56 OHM, J,0.063W	6	
R8640	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8641	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8643	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8645	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8646	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R8647	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R8648	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8649	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R8650	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8651	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8652	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R8653	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8654,55	ERJ2GEJ560	M 56 OHM, J,0.063W	2	
R8656	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R8657	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R8658	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8659	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8661	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R8665	EXB2HVR000	RESISTOR ARRAY	1	
R8666	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8667	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R8669	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R8671,72	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R8673	EXB2HVR000	RESISTOR ARRAY	1	
R8674	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8678	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8682	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R8686,87	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8688,89	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8690	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R8691	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8692	ERJ3EKF5102	M51.0KOHM, 1/16W	1	
R8693	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R8695	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R8696	ERJ3EKF5102	M51.0KOHM, 1/16W	1	
R8697	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R8698	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8700	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8702	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8704	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8705	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R8706	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8707	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R8708	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R8709	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R8710	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R8711	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R8712	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8715	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R8716	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8717	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8719	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8720-25	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R8726	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8727	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8732	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8733	ERJ3EKF3572	M35.7KOHM, 1/16W	1	
R8734	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R8735	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R8736,37	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8738	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R8741,42	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8744	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R8746	ERJ3EKF4992	M 49.9KOHM, 1/16W	1	
R8747,48	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8749	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8751-53	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R8755	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8756,57	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8777	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8779	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8780,81	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8782-87	EXB38VR000	RESISTOR ARRAY	6	
R8788	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8791	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R8792,93	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R8794	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8795-98	ERJ3GEYJ560	M 56 OHM,J,1/16W	4	
R8799-02	ERJ2GEJ103	M 10KOHM, J,0.063W	4	
R8817,18	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R8821-26	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R8837,38	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8839	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R8841	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R8842	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8843	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R8844	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R8845	ERJ2GEJ103	M 10KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9060-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	8	
R9070	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9074	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9095	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9097	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9099	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9100,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9110	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9111	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9127	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9140	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9152,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156-59	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9160,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9164-66	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9167,68	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9177	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9178	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9179	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9181-84	ERJ3GEYJ102	M 1KOHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9198	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9201,02	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9203	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9204,05	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9206,07	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9209	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9210	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9215	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9244,45	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9247,48	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9300,01	ERJ3GEYJ820	M 82 OHM,J,1/16W	2	
R9302,03	D1HG8208A002	NETWORK RESISTER	2	
R9304,05	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9306,07	EXB38V820J	RESISTOR ARRAY	2	
R9308	D1HG8208A002	NETWORK RESISTER	1	
R9309,10	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9311,12	ERJ3GEYJ820	M 82 OHM,J,1/16W	2	
R9313,14	D1HG8208A002	NETWORK RESISTER	2	
R9315,16	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9318	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9319	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9320	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9367	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R9371	EXB2HV470JV	RESISTOR ARRAY	1	
R9372	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9373	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9374	EXB38V470J	RESISTOR ARRAY	1	
R9375	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9389-91	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9393-95	D1HG8208A002	NETWORK RESISTER	3	
R9396,97	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9398	EXB38V820J	RESISTOR ARRAY	1	
R9404	EXB2HV470JV	RESISTOR ARRAY	1	
R9412-21	EXB38V470J	RESISTOR ARRAY	10	
R9428	EXB38V103J	RESISTOR ARRAY	1	
R9430	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9433	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9437,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9440	EXB2HV470JV	RESISTOR ARRAY	1	
R9441	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9442	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9443	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9444	D1HG8208A002	NETWORK RESISTER	1	
R9445	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9446	EXB38V820J	RESISTOR ARRAY	1	
R9448	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9449,50	D1HG8208A002	NETWORK RESISTER	2	
R9451,52	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9453-57	D1HG8208A002	NETWORK RESISTER	5	
R9458,59	ERJ3GEYJ820	M 82 OHM,J,1/16W	2	
R9460,61	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9462,63	EXB38V820J	RESISTOR ARRAY	2	
R9464,65	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9466,67	ERJ3GEYJ820	M 82 OHM,J,1/16W	2	
R9468	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9469	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9470	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9471	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9472	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9475	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9480	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9482-85	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9486	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9487	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9488	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9489-95	ERJ3GEYJ470	M 47 OHM,J,1/16W	7	
R9496	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9497	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9498	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9512	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9514	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9515	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9523	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9525	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9526	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9527,28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529,30	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9537	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9539	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9542	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R9543,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM,J,1/16W	1	
R9546	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9552-54	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9556	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9560	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9574	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9578	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9580-83	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9584	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9585,86	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9587-95	EXB38V470J	RESISTOR ARRAY	9	
R9596-99	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9602	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9616	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9619,20	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9622	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9624,25	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9628	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9630	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9631	EXB2HV272JV	RESISTOR ARRAY	1	
R9632-34	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9637	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9639	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9641	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9643	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9645	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R9821	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9823-28	ERJ3GEYJ101	M 100 OHM,J,1/16W	6	
R9830,31	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838,39	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9841	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9842-44	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9846,47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9875-77	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
RF101	A5MC100JP2	139C 10	1	⚠
RM2501	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNAG167S	CIRCUIT BOARD DT	1	PAVCA ⚠
RTL	TNPA3769S	CIRCUIT BOARD H	1	PAVCA ⚠
RTL	TNPA3855S	CIRCUIT BOARD HC	1	PAVCA ⚠
RTL	TNPA3903BCS	CIRCUIT BOARD DG	1	PAVCA ⚠
RTL	TXNPA1BJTUJ	CIRCUIT BOARD PA	1	PAVCA ⚠
RTL	ETXMM610MEF	CIRCUIT BOARD P	1	⚠
RTL	TXNC11BHTUJ	CIRCUIT BOARD C1	1	PAVCA ⚠
RTL	TXNC21BHTUJ	CIRCUIT BOARD C2	1	PAVCA ⚠
RTL	TXNC31BHTUJ	CIRCUIT BOARD C3	1	PAVCA ⚠
RTL	TXNC41BHTUJ	CIRCUIT BOARD C4	1	PAVCA ⚠
RTL	TXNC51BHTUJ	CIRCUIT BOARD C5	1	PAVCA ⚠
RTL	TXNC61BHTUJ	CIRCUIT BOARD C6	1	PAVCA ⚠
RTL	TNPA3820ACS	CIRCUIT BOARD D	1	PAVCA ⚠
RTL	TXNSC1BHTUJ	CIRCUIT BOARD SC	1	PAVCA ⚠
RTL	TXNSD1BHTUJ	CIRCUIT BOARD SD	1	PAVCA ⚠
RTL	TNPA3829S	CIRCUIT BOARD SS2	1	PAVCA ⚠
RTL	TXNSS1BHTUJ	CIRCUIT BOARD SS	1	PAVCA ⚠
RTL	TNPA3830S	CIRCUIT BOARD SS3	1	PAVCA ⚠
RTL	TXNSU1BHTU	CIRCUIT BOARD SU	1	PAVCA ⚠
RTL	TNPA3764ADS	CIRCUIT BOARD G	1	PAVCA ⚠
RTL	TNPA3965ACS	CIRCUIT BOARD GK	1	PAVCA ⚠
RTL	TNPA3853ABS	CIRCUIT BOARD GS	1	PAVCA ⚠
RTL	TNPA3762AGS	CIRCUIT BOARD K	1	PAVCA ⚠
RTL	TNPA3964ABS	CIRCUIT BOARD S	1	PAVCA ⚠
S2	K1KA02BA0061	2P CONNECTOR	1	
SC2	K1KA02A00626	2P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41,42	K1ML80B00001	80P CONNECTOR	2	
SC45,46	K1KA09A00239	9P CONNECTOR	2	
SD1-D4	K1MN96B00006	96P CONNECTOR	4	
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS20,21	K1KA07A00170	7P CONNECTOR	2	
SS22,23	K1KB07AA0087	7P CONNECTOR	2	
SS33	K1KA04AA0193	4P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS43	K1KA12AA0194	12P CONNECTOR	1	
SS44	K1KA04AA0193	4P CONNECTOR	1	
SS51-56	K1MN13B00020	13P CONNECTOR	6	
SU1-U4	K1MN96B00006	96P CONNECTOR	4	
SU45	K1KB09A00045	9P CONNECTOR	1	
SW2500	K0F122A00172	SWITCH	1	
SW3754-58	EVQ11G05R	SWITCH	5	
T201	ETB57LZ156AD	TRANS	1	⚠
T301	ETB50LZ116AD	TRANS	1	⚠
T501	ETB25KA1C6AD	TRANS	1	⚠
T6602	ETS25AZ149AD	TRANS	1	
TU8200	ENGE6408DF	TUNER	1	PAVCA ⚠
VR251	EVMEASA01B54	VARIABLE RESISTOR	1	
VR351	EVMEASA01B14	VARIABLE RESISTOR	1	
VR401	EVMEASA01B34	VARIABLE RESISTOR	1	
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
X1100	H0J100500030	CRYSTAL	1	
X1101	H0J327200114	CRYSTAL	1	
X4004	H0J270500087	CRYSTAL	1	
X8005	H0J270500061	CRYSTAL	1	
X8200	H0J250500050	CRYSTAL	1	
X9000	H2D200500011	CRYSTAL	1	
X9500	H0J200500038	CRYSTAL	1	
XF8200	J0C4405B0004	LC FILTER	1	
Z101	TND14V751	VARISTOR	1	⚠
Z102	ERZVGAD471	VARISTOR	1	⚠
Z501	ERZVGAD471	VARISTOR	1	⚠
ZA2300,01	K4CZ01000027	COMPATIBLE WITH JALCO K9	2	
ZA3701	K4CD01000013	TERMINAL	1	
ZA4001	K4CD08000002	TERMINAL	1	
ZA4003-05	K4CD08000002	TERMINAL	3	
ZA4007-09	TESA169	SHIELD CLIP	3	
ZA4011-14	TESA169	SHIELD CLIP	4	
ZA5600,01	K4CZ01000027	COMPATIBLE WITH JALCO K9	2	
ZA6001-03	K4CD01000011	TERMINAL	3	
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-05	K4CD01000013	TERMINAL	5	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA7201-05	K4CD01000013	TERMINAL	5	
ZA7301-05	K4CD01000013	TERMINAL	5	
ZA7401-05	K4CD01000013	TERMINAL	5	
ZA7501-05	K4CD01000013	TERMINAL	5	
ZA7601-05	K4CD01000013	TERMINAL	5	
ZA9001	K4CD01000011	TERMINAL	1	
ZD101	MA8051	ZENER DIODE	1	
ZD351-54	MA8150	ZENER DIODE	4	
ZD405,06	MA4300N	ZENER DIODE	2	
ZD407	MA4120N	ZENER DIODE	1	
ZD408	MA8220	ZENER DIODE	1	
ZD501	MA8270	ZENER DIODE	1	
ZD502	MA4300N	ZENER DIODE	1	